Dr. G. RAVI

Senior Professor of Physics
Assumed as a Vice-Chancellor

Contact

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Educational Qualification

Degree	Institution	Year	Branch	Class
D.Sc.,	Alagappa University, Karaikudi	November 2018	Physics	Highly commended
Ph.D.	Anna University, Chennai	1995	Physics	Highly commended
M.Phil.	Anna University, Chennai	1990	Physics	First Class
M.Sc.	Bharathidasan University	1989	Physics	First Class
B.Sc.	Bharathidasan University	1986	Physics	First Class

Teaching Experience: 29 Years Research Experience : 34 Years

Position	Institution	Duration
Vice Chancellor, Alagappa University	Alagappa University	Aug 2022- Till date
Senior Professor, Dept. of Physics	Alagappa University	Dec 2020- Till date
Professor, Dept. of Physics	Alagappa University	Dec. 2010- Nov 2020
Associate Professor, Dept. of Physics	Alagappa University	Dec.2007- Nov. 2010
Reader, Dept. of Physics	Alagappa University	Dec.2004-Nov.2007
Lecturer, Crystal Research Centre	Alagappa University	Feb.1995 -Nov.2004

PDF/ Visiting Professor: Abroad

Position	Institution	Duration
Honorable Guest Professor	Shizuoka University, Japan	April 2014 April 2016 April 2018 April 2019- March 2023
Visiting Professor	Shizuoka University, Japan	Aug. – Nov. 2012
PDF (JSPS)	NIMS, Japan	Apr.2002-Mar.2004

Academic and Additional Responsibilities

S.No	Position	University Bodies	Period	
			From	To
1.	**Head of the Department**	Department of Physics, Alagappa University, Karaikudi	01-06-2015	21-08-2022
2.	**Dean**	Industry & Consultancy	18-06-2015	21-08-2022
3.	**Director**	Internal Quality Assurance Cell (IQAC)	01-06-2022	21-08-2022
4.	**Chairperson**	School of Physical Sciences	18-06-2019	21-08-2022
5.	**Member**	Senate, Alagappa University, Karaikudi	01-06-2015	21-08-2022
6.	**Member**	NAAC Steering Committee, Alagappa University, Karaikudi	23-06-2015	02-05-2017
7.	**Member**	Research Advisory Committee, Alagappa University, Karaikudi	01-08-2015	21-08-2022
8.	**Chairman**	Board of Studies, Department of Physics, Alagappa University,	01-06-2015	21-08-2022

		Karaikudi		
9.	**Co-ordinator**	UGC-SAP	06-05-2015	06-05-2020
10.	**Co-ordinator**	UGC- DST-FIST	08-06-2016	21-08-2022
11.	**Deputy co-ordinator**	DST-PURSE	01-07-2017	21-08-2022
12.	**Institute Co-ordinator**	MHRD-SPARC	08-11-2018	21-08-2022
13.	**Member**	NIRF & Ranking cell	05-08-2019	21-08-2022
14.	**Member**	IPR	09-08-2019	21-08-2022
15.	**Member**	USIC	09-08-2019	21-08-2022

Areas of Research

1. Crystal growth of organic & inorganic materials
2. Nano materials synthesis and Thin Films preparation for supercapacitors, Photocatalytic, sensor and solar cell applications
3. Opto-electronics and E-O modulator –Devices

Patents Granted - 7

S.No	Title	Author(s)	Application Number	Filing Date
1.	An Improved quaternary chalcogenide Cu_2NiSnS_4 material and a method of manufacture thereof	G.Ravi et al.	202041055941	26/03/2022 Granted patent Number: 389221
2.	A method of preparing MXene nanosheets	G.Ravi et al.	202141042819	04/03/2022 Granted patent Number: 406697
3.	An improved electrode with superior supercapacitive performances and a method of manufacture thereof	G.Ravi et al.	202141013142	30/09/2022
4.	A method of preparing 3D Si@MXene/Graphene crumbled spherical nanocomposites	G.Ravi et al.	202141042818	22/09/2022
5.	A method of preparing 3D Bio-activated pores carbon nanosheets from tamarind fruit	G.Ravi et al.	202241008151	16/02/2022
6.	Hydrogen Free Method of Growing Carbon Nanorods	G.Ravi et al.	202141018296	20/04/2021

7..	A heterostructured ($SmCoO_3$/RGO) material and a method of manufacture thereof	G.Ravi et al.	202141008342	27/02/2021

Patents Filed - 1

S.No	Title	Author(s)	Application Number	Filing Date
1.	Morphological Evolution of carnation flower like Cu_2CoSnS_4 battery type electrodes and preparation methods thereof	G.Ravi et al.	202241042493	25/07/2022

Research Supervision/Guidance

Program of Study		Completed	Ongoing
Research	PDF	2	-
	Ph.D	18/10	3
	M.Phil	50	-
Project	PG	63	3
	UG/ Others	-	-

Publications

International		National		Others
Journals	Conferences	Journals	Conferences	Books/Chapters/Monographs/Manuals
399	206	53	178	11

Cumulative Impact Factor(as per JCR) : 1797.26
Average Impact Factor : 4.64
h-index : 54
i10 index : 266
Total Citations : 11218
Thesis Evaluated : 65
Viva-voce Examiner : 68

Funded Research Projects

Ongoing Projects:

S. No	Agency	Period		ProjectTitle	Budget (Rs.In lakhs)
		From	To		
1.	RUSA 2.0	2019 - 2024		Developement of pure and graphene decorated metal oxides/sulphides based nanostructured materials for sustainable energy and sensor applications	10.00

Completed Projects:

S.No	Agency	Period		ProjectTitle	Budget (Rs.In lakhs)
		From	To		
1.	TNSC&ST	1997	1999	Fabrication of Electro-Optical devices using DKDP Crystals	1.97
2.	TNSC&ST	1995	1999	Water quality assessment based on crystal of triflurides of lanthanum	3.60
3.	AICTE	1998	2001	Growth and Characterization of Organic NLO crystals for EO Modulators	10.0
4.	DST	2007	2011	A Venture for Developing Electro-Optic Modulator from DAST Single Crystals	25.0
5.	UGC	2011	2015	Preparation of ZnO nanostructure thin films by spin coating method of spintronic and optical applications	13.0
6.	UGC-SAP (DRS III) Co-ordinator	2015	2020	Preparation of crystals, Thin films and Battery materials for devices	105
7.	DST FIST Level-II Co-ordinator	2016	2021	Growth and study of different metal oxide thin films for gas sensors and memory devices	144
8.	DST-PURSE Deputy co-ordinator	2017	2020	Infrastructure development for all Science Departments	700
9.	DST-SERB (EMR)	2018	2021	Graphene oxide decorated metal oxide thin films on flexible substrates for high	35.6

				performance electrochromic and super capacitors applications	
10.	MHRD-SPARC	2019	2021	2D QDs(two Dimensional QDs): Synthesis and Applications in Electroluminescent diodes, Sensors and Solar cells.	59.93

Other Fund Received as Research Mentor:

S.No	**Agency**	**Period**		**ProjectTitle**	**Budget** (Rs.In lakhs)
		From	**To**		
1	Indo-Norwegain Collabortion	01-01-2024	31-12-2024	Production of green hydrogen using advanced nanomaterials	4,88,000
2	Indo-Norwegain Collabortion	01-01-2022	31-12-2023	Production of green hydrogen using advanced nanomaterials	7,80,000

Consultancy Projects:

S.No	**Agency**	**Period**		**ProjectTitle**	**Budget** (Rs.In lakhs)
		From	**To**		
1.	Universities, Colleges, Institutions	2007 (June)	2022 (December)	Consultancies on Characterization	~1,40,00,000

Distinctive Achievements / Awards

S.No	**Name of the Award/ Fellowship**	**Institution awarding the Honor**	**Year**
1.	Tamilnadu Scientist Award	Academy of Sciences, Chennai.	October 2023
2.	ISPA Life Time Achievement Award	Indian SpectroPhysics Association (ISPA) amd National College (Autonomous, Tiruchirappalli	October 2023
3.	Appreciation Award	Alagappa University, Karaikudi	September 2023
4.	Senior Scientist Award	Academy of Sciences, Chennai.	March 2023

5.	Treasure Trove of Knowledge	M.T.S Academy, Nehru Yuva Kendra and Bharatiya Vidya Bhavan	November 2022
6.	Outstanding Researcher Award	Alagappa University, Karaikudi	September 2022
7.	Dr. APJ Abdul Kalam Lifetime Achievement National Award	National Institutie for Socio Economic Developemnt, Bangalore	April 2021
8.	FRSC Academic Award	Royal Society of Chemsitry	March 2021
9.	Fellow of Academy of Sciences	Academy of Sciences, Chennai.	March 2021
10.	Appreciation Award for Quality Enhancement in Teaching and Research	Alagappa University, Karaikudi	2021
11.	Vallal Alagappar Research recognition Award	Alagappa University, Karaikudi	January 2021
12.	Honorable Guest Professor	Shizuoka University, Japan	March 2021-2023
13.	Honorable Guest Professor	Shizuoka University, Japan	April 2019
14.	NAAC Apprecitationn Award	Alagappa Univeristy, Karaikudi	April 2018
15.	Honorable Guest Professor	Shizuoka University, Japan	April 2018
16.	Appreciation award	Alagappa University, Karaikudi	Feb 2017
17.	JSPS Invitation Fellow	Shizuoka University, Japan	Nov-Dec 2016
18.	Honorable Guest Professor	Shizuoka University, Japan	April 2016
19.	Alagappa Excellence Award for Research (2015-16)	Alagappa University, Karaikudi	2016
20.	Honorable Guest Professor	Shizuoka University, Japan	April 2014
21.	Visiting Professor	Shizuoka University, Japan	Aug. – Nov. 2012
22.	Invited Special Researcher	NIMS, Japan	Jan. - Feb. 2006.
23.	Invited Special Researcher	NIMS, Japan	June-Nov 2004.
24.	Best Researcher Award	Alagappa University	2005
25.	JSPS Award	Japan Society for Promotion of Science, Japan	March 2002-2004.
26.	Invited Special Researcher	NIMS, Japan	Nov. 2001-Feb. 2002.

27.	Young Invited Researcher Award	Cheju, Korea (ICPOP)	2001
28.	Young Scientist Award	ICCG-13, Kyoto, Japan.	2001
29.	Young Researcher Award	International Union of Materials Research Society, (IUMRS-ICA), IISc, Bangalore	1998
30.	Senior Research Fellowship	CSIR, Govt. of India.	1993

Events organized in leading roles

Number of Seminars /Conferences /Workshops/ Events organized: 33

Position	Programme	Duration	Institution
Convener	ACT NEXT:Noble prize in Physics 2021	17th March 2022.	Department of Physics, Alagappa University
Convener	World Standards day	13th October 2021.	Alagappa University
Convener	ACT NEXT :Noble prize in Physics 2020 (Online)	12th February 2021.	Department of Physics, Alagappa University
Convener	ACT NEXT :Noble prize in Physics 2019	28th August 2020.	Department of Physics, Alagappa University
Convener	Indo-UK International Virtual Conference on Advanced Nanomaterials for Energy and Environmental Applications (ICANEE-2020)	16–18, September 2020.	Department of Physics, Alagappa University
Convener	International Virtual Conference on Recent Trends in Energy Material (INCRTEM-2020),	9-11, September, 2020.	Alagappa University, Karaikudi
Convener	One Day International Webinar on Advances in Materials Science	10, June, 2020.	Alagappa University, Karaikudi
Convener	Webinar entitled (i) Ideas and Implementation for Innovation and	13.05.2020	Department of Physics,

	Incubation and (ii) Sun Our Nearest Star"		Alagappa University, Karaikudi
Convener	International Conference on Advanced Materials for Sustainable Energy and Sensors (INCAMSES-2019),	16-17 September, 2019	Alagappa University, Karaikudi
Convener	ACT NEXT :Noble prize in Physics 2018	5th April 2019	Department of Physics, Alagappa University
Convener	National conference on Advanced materials for sustainable Energy and sensors (NCAMSES – 2019)	20-22 March 2019.	Alagappa University, Karaikudi
Convener	ACT NEXT :Noble prize in Physics 2017	28th March 2018.	Department of Physics, Alagappa University
Co-Convener	International Conference on momentous role of nanomaterials in renewable energy devices (IC MNRE 2018)	1-2 March 2018	Alagappa University, Karaikudi
Convener	Business Oriented Analytical Research and Development (BOARD-2018	31st January – 1st February 2018.	Department of Physics, Alagappa University
Convener	National Conference on Futuristic Materials (NCFM-2017)	27 & 28th March 2017.	Department of Physics, Alagappa University
Convener	National Theme Meet on University-Industry Interface 2017 (NTMU21-2017)	20th September 2017.	Alagappa University
Convener	ACT NEXT :Noble prize in Physics 2016	28th April 2017.	Department of Physics, Alagappa University
Convener	Business Oriented Hands-on Training on Analytical Instrumentation (HI-BOAT-2017)	2nd& 3rd March 2017.	Department of Physics, Alagappa University
Convener	National Seminar on Synthesis, Characterization and Applications of Advanced Materials (AMR-2017)	19 January 2017.	Department of Physics, Alagappa University
Convener	Organized a National Seminar on “Recent Advancements in Frontier Areas of Materials Science”	2016	Department of Physics, Alagappa University

Convener	Alagappa University Celebrates Themed Nobel Excellence Talks – 2015 ACT NEXT-2015	2015	Department of Physics, Alagappa University
Coordinator	International Workshop on Advanced Materials -2014 (IWAM2014)	2014	Department of Physics, Alagappa University
Convener	National Workshop on Characterization Techniques (NWCT-2)	2013	Department of Physics, Alagappa University
Convener	National Workshop on Characterization Techniques(NWCT-1)	2012	Department of Physics, Alagappa University
Coordinator	International Workshop on Advanced Energy Materials (IWAEM-2012)	2012	Department of Physics, Alagappa University
Co-Convener	State Level Workshop on Structure solving by Powder X-ray diffraction (SLWSSP-XRD 2011)	2011	Department of Physics, Alagappa University
Organizing Committee Member	National Conference on Recent Trends in Advanced Energy Materials	2010	Department of Physics, Alagappa University
Coordinator	National Workshop on “Theory and Practice of XRD Techniques”	2009	Department of Physics, Alagappa University
Organizing Committee Member	National Workshop on “Crystal Growth and Characterization”	2007	Department of Physics, Alagappa University
Organizing Committee Member	National Workshop on “Recent Advances in Materials Science”	2006	Department of Physics, Alagappa University
Convener	XXX Indian social Science Congress	27-31, December 2006	Alagappa University
Co-Convener	National Seminar on Recent trends in Materials Science	1999	Alagappa University

Events Participated

Number of Conferences/Seminars/Workshops: 384

Other Training Programs: 07

Papers Presented in Seminars/ Conferences (International/ National)

S.No	Title of the Article	Author(s)	Name of the Programme	Organiser	Date
1.	Unleashing nature's energy: EchantedAlbiziaamara leaf extract empowers supercapcitors with $NdMn_2O_5$	V.Balaji, K. MuhilEswari, D.K. Ponelakkia, R. Yuvakkumar, **G. Ravi**	Adavanced Materials for Clean Energy and Health Applications (AMCEHA -2023)	Coimbatore Instute of Technology, Coimbatore, western Norway university of applied sciences, Norway and University of Jaffana, Sri lanka	19 and 20 september 2023
2.	Comparative study of leaf extract mediated and chemically synthesized ZrO_2 nanoparticles for anti-diabetic and anti-inflammatory applications	K. Muhil Eswari, V. Balaji, D.K. Ponelakkia, R. Yuvakkumar, **G. Ravi**	Adavanced Materials for Clean Energy and Health Applications (AMCEHA -2023)	Coimbatore Instute of Technology, Coimbatore, western Norway university of applied sciences, Norway and University of Jaffana, Sri lanka	19 and 20 september 2023
3.	Investigation of surfactant assisted $Fe2(MoO_4)_3$/rGO Nanocomposite as an electrode material for supercapacitor application	D.K. Ponelakkia, V. Balaji, K. Muhil Eswari, R. Yuvakkumar, **G. Ravi**	Adavanced Materials for Clean Energy and Health Applications (AMCEHA -2023)	Coimbatore Instute of Technology, Coimbatore, western Norway university of applied sciences, Norway and University of Jaffana, Sri lanka	19 and 20 september 2023
4.	Investigation of NiO-CeO2 Nanoparticles and their nanocomposites as an optimal electrode for supercapcitor applications	V.Balaji, R.R.Sasikaran, K. MuhilEswari, D.K. Ponelakkia, R. Yuvakkumar, **G. Ravi**	Technical Advances in Science, Medicine and Engineering conferences (TASME 2022)	Sickkids/ University of Toronto, Canada & Northeastern University, Boston USA	01 and 02 july 2023
5.	Green synthesis of ZnO nanoparticles using Clerodendruminerme and Dioscorea alata leaves for biomedical applications	K. Muhil Eswari, V. Balaji, D.K. Ponelakkia, R. Yuvakkumar, **G. Ravi**	Technical Advances in Science, Medicine and Engineering conferences (TASME 2022)	Sickkids/ University of Toronto, Canada & Northeastern University, Boston USA	01 and 02 july 2023
6.	Investigation of $Fe_2(MoO_4)_3$/PEG/rGO Nanocomposite as an electrode material for supercapacitor application	D.K. Ponelakkia, V. Balaji, K. Muhil Eswari, R. Yuvakkumar, **G. Ravi**	Technical Advances in Science, Medicine and Engineering conferences (TASME 2022)	Sickkids/ University of Toronto, Canada & Northeastern University, Boston USA	01 and 02 july 2023
7.	Chemical and leaf extract mediated zirconium oxide (ZrO_2) nanoparticles for anti-diabetic and anti-inflammatory applications	K. Muhil Eswari, V. Balaji, D.K. Ponelakkia, R. Yuvakkumar, **G. Ravi**	25th National Seminar on Crystal Growth and Applications	Department of Physics, Alagappa University, Karaikudi and Indian Association for Crystal Growth (IACG)	21 and 23 June 2023.

8.	Comparitive study of MoS_2nanoparticles synthesized using various sulphur sources as an electrode material for electrochemical performance	D.K. Ponelakkia, V. Balaji, K. Muhil Eswari, R. Yuvakkumar, **G. Ravi**	25th National Seminar on Crystal Growth and Applications	Department of Physics, Alagappa University, Karaikudi and Indian Association for Crystal Growth (IACG)	21 and 23 June 2023.
9.	Unleashing nature's energy: EchantedAlbiziaamara leaf extract empowers supercapcitors with $NdMn_2O_5$	V.Balaji, K.MuhilEswari, D.K.Ponelakkia, G.Balaji, R. Yuvakkumar, **G. Ravi**	25th National Seminar on Crystal Growth and Applications	Department of Physics, Alagappa University, Karaikudi and Indian Association for Crystal Growth (IACG)	21 and 23 June 2023.
10.	Exploration of NiO-CeO_2 Nanoparticles and their nanocomposites as a superior electrode for supercapacitor Application	V.Balaji, R.R.Sasikaran, K.Muhil Eswari, D.K.Ponelakkia, G.Balaji, R. Yuvakkumar, **G. Ravi**	International Conference on Pure and Applied Physics (ICPAP-2023)	Department of Physics, Women's Christian College, Chennai.	23 and 24 March 2023
11.	Hydrothermally synthesized transition metal (Co,Ni) doped MoO_3 nanoparticles electrode for supercapacitor application	D.K.Ponelakkia, V.Balaji, K.Muhil Eswari, Briska Theras, R. Yuvakkumar, **G. Ravi**	International Conference on Pure and Applied Physics (ICPAP-2023)	Department of Physics, Women's Christian College, Chennai.	23 and 24 March 2023
12.	Synthesis of pure MgO and Carbon based nanocomposites for anti-cancer, anti-diabeti, anti-inflammatory application	K.Muhil Eswari, V.Balaji, D.K.Ponelakkia, A Divya, R. Yuvakkumar, **G. Ravi**	International Conference on Pure and Applied Physics (ICPAP-2023)	Department of Physics, Women's Christian College, Chennai.	23 and 24 March 2023
13.	A one week training program on R & D Equipment	K.Muhil Eswari, **G Ravi**	Synergistic Training Program Utilizing the Scientific and Technologicval Infrastructure (STUTI-22)	Central Research Instrumentation Facility (CRIF), National Institute of Technology, Warangal	10-16th March 2023
14.	A one week training program on R & D Equipment	D.K.Ponelakkia, **G Ravi**	Synergistic Training Program Utilizing the Scientific and Technologicval Infrastructure (STUTI-22)	Central Research Instrumentation Facility (CRIF), National Institute of Technology, Warangal	10-16th March 2023
15.	Recent treds in smart materials	D.K.Ponelakkia, **G Ravi**	E-International Conference on Recent treds in smart materials	Department of Physics and chemistry, Kings College of Engineering, Pudukottai	25th June 2022
16.	Recent treds in smart materials	K.Muhil Eswari, **G Ravi**	E-International Conference on Recent treds in smart materials	Department of Physics and chemistry, Kings College of Engineering, Pudukottai	25th June 2022

17.	Anti-microbial and cytotoxicity applications of silver nanoparticles by using citrus sinensis and citrus limetta fruit peel extract	V Balaji Dhayalan Velauthapillai R Yuvakkumar **G Ravi**	Technical Advances in Science, Medicine and Engineering conferences (TASME 2022)	Sickkids/ University of Toronto, Canada & Northeastern University, Boston USA	27-28 August 2022
18.	Chemically and green synthesized AgNPs and their composite for Biomedical applications	V Balaji P Sakthivel M Karuppaiah S Asaithambi K Muhil Eswari R Yuvakkumar **G Ravi**	International Conference on emerging biomaterials for advanced applications (ICEBAA-2022)	Periyar University, Salem.	21-22 April 2022
19.	Green Synthesis ZnO nanoparticles and evolution of anti-diabetic, anti-inflammatory and In-vitro cytotoxicity properties	K Muhil Eswari, V Balaji, D K Ponelakkiya, S Asaithambi, M Karuppaiah, M Kavinila, **G Ravi**	International Conference on emerging biomaterials for advanced applications (ICEBAA-2022)	Periyar University, Salem.	21-22 April 2022
20.	Improving perovskite solar cell efficiency by modified electron transport layer.	**G Ravi**	Two days national seminar on materials for energy applications	Raja doraisingam government arts college, Sivagangai.	24-25 March 2022
21.	Manganese Based battery type cathode electrode materials for self charging supercapacitor applications.	**G Ravi**	International Conference on Growth of Crystals and their Technological Applications (GCTA-2022)	SSN College, Chennai	10-12 January 2022
22.	Dual performance analysis of La-SnO2@ rGO composite for asymmetric supercapacitor device and visible light induced photo degradation applications	Asaithambi Sankaiya, Perumal Sakthivel, Rethinam Yuvakkumar, Melkiyur Isacfranklin, **Ganesan Ravi,** Dhayalan Velauthapillai	Technological Advances in Science, Medicine and Engineering Conference 2021	Sickkids/ University of Toronto, Canada & Northeastern University, Boston USA	17-18 June 2021
23.	Tailoring the planar perovskite solar cells Characteristics using (Al^{3+} La^{3+}) co-doped SnO_2 as the electron transport layer	**G Ravi**	International conference on Nanomaterials	Mahatma Gandhi University, Kottayam	9-11 April 2021
24.	Boosted efficiency, stability and reproducibility of planar perovskitesolar cells using (Al^{3+} La^{3+}) co-doped SnO_2 as the electron transport layer	**G Ravi**	International Conference on Recent trend in Advanced Science and Technology	Bharathidhasan University, Tiruchirappalli.	26-29 December 2020

25.	Bifunctional properties of Mn-SnO_2 nanostructures for visible light driven photocatalytic activity and antibacterial applications	S. Asaithambi, P. Sakthivel, M. Karuppaiah, M. Thambidurai, A. Loganathan, **G. Ravi**	Indo-UK International Virtual Conference on Advanced Nanomaterials for Energy and Environmental Applications (ICANEE-2020)	Alagappa University, Karaikudi.	Sept 16–18, 2020.
26.	Boosted efficiency, stability and reproducibility of planar perovskite solar cells using (Al^{3+} La^{3+}) co-doped SnO_2 as the electron transport layer	P. Sakthivel, S. Asaithambi, M. Karuppaiah, R. Yuvakkumar, **G. Ravi**	Indo-UK International Virtual Conference on Advanced Nanomaterials for Energy and Environmental Applications (ICANEE-2020)	Alagappa University, Karaikudi.	Sept 16–18, 2020.
27.	Electrochemical performance analysis of synthesized Ce doped SnO_2/g-C_3N_4 composites for asymmetric supercapacitor applications	S. Asaithambi, P. Sakthivel, M. Karuppaiah, R. Yuvakkumar, **G. Ravi**	International Virtual Conference on Recent Trends in Energy Material (INCRTEM-2020)	Alagappa University, Karaikudi.	Sept 9-11, 2020.
28.	Enhanced storage capacity of manganese oxide 3D-microspheres with addition of neodymium dopant for hybrid supercapacitors	M. Karuppaiah, P. Sakthivel, S. Asaithambi, L. Krishna Bharat, GoliNagaraju, K. Balamurugan, R. Yuvakkumar, **G. Ravi**	International Virtual Conference on Recent Trends in Energy Material (INCRTEM-2020)	Alagappa University, Karaikudi.	Sept 9-11, 2020.
29.	Radiofrequency magnetron sputtered yttrium doped cadmium oxide thin film as alternate front electrode for perovskite solar cell devices	P. Sakthivel, S. Asaithambi, M. Karuppaiah, R. Yuvakkumar, **G. Ravi**	International Virtual Conference on Recent Trends in Energy Material (INCRTEM-2020)	Alagappa University, Karaikudi.	Sept 9-11, 2020.
30.	2D-$Ti_3C_2T_x$MXene based electrode materials for high performance supercapacitors.	V. Balaji, P. Sakthivel, S. Asaithambi, M. Karuppaiah, R. Yuvakkumar, **G. Ravi**	International Virtual Conference on Recent Trends in Energy Material (INCRTEM-2020)	Alagappa University, Karaikudi.	Sept 9-11, 2020.
31.	Electrochemical behavior of ethylene glycol mediated manganese carbonate nanostructures	S. Swathi, R. Yuvakkumar, **G. Ravi**	International Virtual Conference on Recent Trends in Energy Material (INCRTEM-2020)	Alagappa University, Karaikudi.	Sept 9-11, 2020.
32.	Surfactant influence on copper molybdate nanoflakes for water oxidation	SP. Keerthana, **G. Ravi**, R. Yuvakkumar	International Virtual Conference on Recent Trends in Energy Material (INCRTEM-2020)	Alagappa University, Karaikudi.	Sept 9-11, 2020.

33.	Growth of crystals for device applications	**G. Ravi**	One Week Online International Faculty Development Programme on New Directions in Applied Science and Technology	Annamalai University, Elsevier.	July 1-7, 2020.
34.	Optical crystals for electro-optic applications	**G. Ravi**	Indian summer school on crystal growth (ISSCG-2020)	SSN College of Engineering, Chennai.	May 14-23, 2020.
35.	Tuning the optical band gap using Mn in lithium niobate crystals for optical data storage applications	**G. Ravi**	National Seminor on Advanced materials and its applications	Karpagam Academy of Higher education.	March 5-6, 2020.
36.	Synthesis and characterization of metal doped SnO_2@MoS_2 composites with superior photo catalytic activity of methylene blue dye degradation	S. Asaithambi, P. Sakthivel, M. Karuppaiah, G. Udhaya Sankar, K. Abinaya, R. Deepika, R. Yuvakkumar, **G. Ravi**	National workshop on Advanced nanomaterials for Sustainabe Energy and Sensor Applications	Alagappa University Karaikudi.	March 4-6, 2020.
37.	Improved optoelectronic properties of lanthanum doped CdO thin films applicable to transparent conducting oxide for dye-sensitized solar cells	P. Sakthivel**,** S. Asaithambi, M. Karuppaiah, G. Udhayasankar, M. Sathya, P. Samathuvakumari, R. Yuvakkumar, **G. Ravi**	National workshop on Advanced nanomaterials for Sustainabe Energy and Sensor Applications	Alagappa University Karaikudi.	March 4-6, 2020.
38.	A Photovoltaic Energy Generation Simulink for Energy System Using QZSI,	G. Udhaya Sankar, S. Asaithambi, B. Pourchelvi, K. Muhil Eswari, R. Yuvakkumar, **G. Ravi**, G. RajKumar, C. Ganesa Moorthy	National workshop on Advanced nanomaterials for Sustainabe Energy and Sensor Applications	Alagappa University Karaikudi.	March 4-6, 2020.
39.	Neodymium-doped porous manganese oxide for high performance supercapacitor applications	M. Karuppaiah, P. Sakthivel, S. Asaithambi, M. Sathya, R. Yuvakkumar, Y. Hayakawa, **G. Ravi**	National workshop on Advanced nanomaterials for Sustainabe Energy and Sensor Applications	Alagappa University Karaikudi.	March 4-6, 2020.
40.	Exploration of High Performance $MnSn(OH)_6$ electrodes for energy applications	B. Jansi Rani, Gowsalya, **G. Ravi,** R. Yuvakkumar	National workshop on Advanced nanomaterials for Sustainabe Energy and Sensor Applications	Alagappa University Karaikudi.	March 4-6, 2020.
41.	Effect of Surfactant role on Manganese oxide nanostructures for energy storage applications	M. Isacfranklin **G. Ravi**, R.Yuvakkumar, Dhayalan Velauthapillai, M.Thambdurai, Cuong Dang	National workshop on Advanced nanomaterials for Sustainabe Energy and Sensor Applications	Alagappa University Karaikudi.	March 4-6, 2020.

42.	Nickel Cobalt hydroxide Composite as a Positive Electrode in aqueous super capacitor application	M. Sangeetha Vidhya, **G. Ravi,** R. Yuvakkumar	National workshop on Advanced nanomaterials for Sustainabe Energy and Sensor Applications	Alagappa University Karaikudi.	March 4-6, 2020.
43.	Studies on the optical data storage characteristics of Mn doped lithium niobate crystals	**G. Ravi**	International Conference on Advanced Materials for Energy and Environmental Applications (ICAMEA-2020)	ThiruKolanjiappar Government Arts College, Vriddhachalam.	Feb 20-21, 2020.
44.	Growth ande Practical Applications of DKDP, DAST and SLTcrystals	**G. Ravi**	National Conference on Recent Trends in Advanced Materials and Characterization (RTAMC-2020)	VSM Group of Institutions, Ramachandra puram, Andhra Pradesh.	Jan 29-30, 2020.
45.	Preparation of CuO_{1-x}-Mn_x(x= 0.03, 0.05, 0.07) and MATLAB modelling for sustainable energy harvesting applications	G. Udhaya Sankar, S. Asaithambi, R. Yuvakkumar, **G. Ravi,** G. RajKumar, C. Ganesa Moorthy	2nd International Conference on Mathematical Modeling and Computational Methods in Science and Engineering(ICMMCMSE-2020)	Alagappa University Karaikudi.	Jan 22-24, 2020.
46.	Chemical synthesis of various metal (Cu, Fe and Zn) doped Tin Oxide (SnO_2) nanostructures for enhanced supercapacitor applications.	S. Asaithambi, P. Sakthivel, M. Karuppaiah, G. Udhaya Sankar, R. Yuvakkumar, **G. Ravi**	International conference on recent trends in green chemistry and material science (RTCMS-2020)	Mohamed sathak engineering college, Kilakarai.	Jan 23 - 24, 2020.
47.	Electrochemical Properties of Variuos Metals (Cu, Fe and Zn) doped Tin Oxide (SnO2) Nanostructures for Energy Storage Applications	S. Asaithambi, P. Sakthivel, M. Karuppaiah, G. Udhaya Sankar, R. Yuvakkumar, **G. Ravi**	Kalasalingam Global Conference (KGC)-2019: International Conference on Sustainable Development	Kalasalingam Academy of Researc and Education, Krishnankoil.	Dec 18-20, 2019.
48.	Protecting environment by reducing the usage of plastics	**G. Ravi**	International Conference on Recent Trends in Bioplastics (RTB-2019)	Alagappa University Karaikudi.	Dec 9-10, 2019.
49.	Synthesize of Fe doped CuO Nanostructures for Sustainable Energy Harvesting Application	G. UdhayaSankar, S. Asaithambi, M. Karuppaiah, G. RajKumar, G. Vijayaprasath, R. Yuvakkumar, **G. Ravi**	One Day National Conference on semiconductors, surfaces, alloys modeling and preparation (SSAMAP-2019)	SreeSevugan Annamalai College, Devakottai.	Dec 6, 2019.
50.	Construction of metal doped SnO_2 @MoS_2 composites with improved photo catalytic activities of methylene blue dye degradation	S. Asaithambi, P. Sakthivel, M. Karuppaiah, G. Udhaya Sankar, R. Yuvakkumar, **G. Ravi**.	One Day National Conference on semiconductors, surfaces, alloys modeling and preparation (SSAMAP-2019)	SreeSevugan Annamalai College, Devakottai.	Dec 6, 2019.

51.	Synthesis of self-assembled micro/nano structured manganese carbonate for high performance, long lifespan asymmetric supercapacitors	M. Karuppaiah, P. Sakthivel, S. Asaithambi, R. Yuvakkumar, Y. Hayakawa, **G. Ravi**.	One Day National Conference on semi conductors, surfaces, alloys modeling and preparation (SSAMAP-2019)	SreeSevugan Annamalai College, Devakottai.	Dec 6, 2019.
52.	Fabrication of Sputtered Vanadium pentoxide (V_2O_5) Thin films for Electrochemical Energy Storage Devices	G.Vijayaprasath, B. Subramanian, **G. Ravi**.	One Day National Conference on semiconductors, surfaces, alloys modeling and preparation (SSAMAP-2019)	SreeSevugan Annamalai College, Devakottai.	Dec 6, 2019.
53.	Tailoring optical data storage characteristic by Mn doping in different compositions of lithium niobite single crystals	**G. Ravi**	World Congress on Lasers, optics and Photonics (6^{th} Conference PHRONESIS).	Phronesis Research World, Barcelona, Spain.	
54.	Sputtered cadmium zinc oxide thin films as alternate front electrode for future solar cell devices	P. Sakthivel, S. Asaithambi, M. Karuppaiah, G. Udhaya Sankar, P. Samathuva kumari, R. Yuvakkumar, **G. Ravi**	International Conference on Advanced Materials for Sustainable Energy and Sensors (INCAMSES-2019)	Alagappa University Karaikudi.	Sept 16-17, 2019.
55.	Band gap narrowing of pure and various metal doped SnO_2 nanostructures with improved photocatalytic activity under visible light irradiation	S. Asaithambi, P. Sakthivel, M. Karuppaiah, G. Udhaya Sankar, K. Abinaya, R. Yuvakkumar, **G. Ravi**	International Conference on Advanced Materials for Sustainable Energy and Sensors (INCAMSES-2019)	Alagappa University Karaikudi.	Sept 16-17, 2019.
56.	Role of different precursors in synthesis of CuO nanostructures for Sustainable energy-harvesting applications	G. UdhayaSankar, P. Sakthivel, S. Asaithambi, M. Karuppaiah, K. Muhil Eswari, R. Yuvakkumar, **G. Ravi**	International Conference on Advanced Materials for Sustainable Energy and Sensors(INCAMSES-2019)	Alagappa University Karaikudi.	Sept 16-17, 2019.
57.	Synthesis and Characterization of $NiWO_4$@$Ni(OH)_2$ Nanocomposite for Electrochemical Water Splitting	R. Yuvakkumar, B. Jansi Rani, P. Mathubala, **G. Ravi**	International Conference on Advanced Materials for Sustainable Energy and Sensors (INCAMSES-2019)	Alagappa University Karaikudi.	Sept 16-17, 2019.
58.	Spectral, optical, thermal, mechanical and Quantum chemical computations of 4-hydroxy-3-methoxybenzaldehyde nicotinamide organic co-crystal for NLO applications	G. Parvathy, R. Kaliammal, G. Maheshwaran, **G. Ravi,** S. Sudhahar	International Conference on Advanced Materials for Sustainable Energy and Sensors (INCAMSES-2019)	Alagappa University Karaikudi.	Sept 16-17, 2019.

59.	Hydrothermal Synthesis of Bi Supported $FeVO_4$ Nanorod Electrocatalysts for Electrochemical Water Splitting Application'	B. Jansi Rani, **G. Ravi,** R. Yuvakkumar	International Conference on Advanced Materials for Sustainable Energy and Sensors (INCAMSES-2019)	Alagappa University Karaikudi.	Sept 16-17, 2019.
60.	Atomic energy level storage mechanism and self-assembled complex grain growth of 3D micro/nano structured manganese carbonate for long lifespan asymmetric supercapacitors	M. Karuppaiah, R. Akilan, P. Sakthivel, S. Asaithambi, R. Shankar, R. Deepika, R. Yuvakkumar, Y. Hayakawa, **G. Ravi**	International Conference on Advanced Materials for Sustainable Energy and Sensors (INCAMSES-2019)	Alagappa University Karaikudi.	Sept 16-17, 2019.
61.	Growth and fabrication of optical memory devices	**G. Ravi**	International Conference on frontier Areas in Chemical Technologies- 2019. (FACTs-2019)	Department of industrial chemistry alagappa University.	July 25-25, 2019.
62.	Ternary thin films of sputtered cadmium zinc oxide as alternate transparent conducting oxide for solar cell applications.	P. Sakthivel, S. Asaithambi, M. Karuppaiah, G. Udhaya Sankar, R. Yuvakkumar, **G. Ravi**	International Conference on Current Trends in Material Science and Engineering (CTMSE-2019)	S.N.Bose National Centre for Basic Science, Kolkata.	July 18-20, 2019.
63.	Narrowing band gap effect of alkaline metal doped tin oxide (Ba^{2+},Ca^{2+} and Mg^{2+}-SnO_2) nanostructures for visible light induced photocatalytic activity of methylene blue dye.	S. Asaithambi, P. Sakthivel, M. Karuppaiah, G. Udhaya Sankar, **G. Ravi**	International Conference on Current Trends in Material Science and Engineering (CTMSE-2019)	S.N.Bose National Centre for Basic Science, Kolkata.	July 18-20, 2019.
64.	Formation of one dimensional nanorods with microsphere of $MnCO_3$ using Ag as dopant to enhance the perfornmance of pseudocapacitors.	M. Karuppaiah, P. Sakthivel, S. Asaithambi, R. Murugan, R. Yuvakkumar, **G. Ravi**	International Conference on Current Trends in Material Science and Engineering (CTMSE-2019)	S.N.Bose National Centre for Basic Science, Kolkata.	July 18-20, 2019.
65.	Bi dopant role in phase, structure, morphological and photoelectrochemical behavior of copper vanadate photocatalysts	Balasubramanian Jansi Rani, **Ganesan Ravi**, RathinamYuvakkumar	10^{th} International Conference on Materials for Advance technologies	Nanyang Technological University, Singapore.	June 23-28, 2019.
66.	Different morphological modification of manganese oxide/nickel oxide composites for supercapacitor and magnetic applications	M. Karuppaiah, P. Sakthivel, S. Asaithambi, V. Sureshkumar, G. Udhaya Sankar, R. Yuvakkumar, **G. Ravi**	National conference onAdvanced materials for sustainableEnergy and sensors (NCAMSES – 2019)	Alagappa University Karaikudi.	March 20-22, 2019.

67.	Preparation and characterization of Ag doped MoO_3 nanostructures for electrochemical water splitting applications	B. Jansi Rani, S. Swathi, **G. Ravi,** R. Yuvakkumar	National conference onAdvanced materials for sustainableEnergy and sensors (NCAMSES – 2019)	Alagappa University Karaikudi.	March 20-22, 2019.
68.	Ternary thin films of sputtered cadmium zinc oxide for alternate transparent conducting oxide for optoelectronic devices	P. Sakthivel, S. Asaithambi, M. Karuppaiah, G. Udhaya Sankar, R. Yuvakkumar, **G. Ravi**	National conference onAdvanced materials for sustainableEnergy and sensors (NCAMSES – 2019)	Alagappa University Karaikudi.	March 20-22, 2019.
69.	Synthesis of $X(PO_4)_2$ [X= Ni_3, Cu_3, Mn_3] nanostructures for super capacitor applications	A. Haritha, B.Saravanakumar, **G. Ravi,** R. Yuvakkumar	National conference onAdvanced materials for sustainableEnergy and sensors (NCAMSES – 2019)	Alagappa University Karaikudi.	March 20-22, 2019.
70.	Silver-doped manganese carbonate with the formation of one dimensional nanorods mixed microsphere to enhance the performance of pseudocapacitors	A. Revathi, M. Karuppaiah, P. Sakthivel, S. Asaithambi, S. Anupriya, R. Yuvakkumar, **G. Ravi**	National conference onAdvanced materials for sustainableEnergy and sensors (NCAMSES – 2019)	Alagappa University Karaikudi.	March 20-22, 2019.
71.	Ni and Co hydroxide based nanocomposites for super capacitor applications	M. Lalitha, B. Saravana kumar, **G. Ravi,** R. Yuvakkumar	National conference onAdvanced materials for sustainableEnergy and sensors (NCAMSES – 2019)	Alagappa University Karaikudi.	March 20-22, 2019.
72.	Effect of alkaline metal doped tin oxide ($Ba^{2+,}$ Ca^{2+} and Mg^{2+}- SnO_2) nanostructures for visible light driven photocatalytic activity of organic pollutant	S. Asaithambi, P. Sakthivel, M. Karuppaiah, G. Udhaya Sankar, **G. Ravi**	National conference onAdvanced materials for sustainableEnergy and sensors (NCAMSES – 2019)	Alagappa University Karaikudi.	March 20-22, 2019.
73.	Synthesis of X (Zr, Co, Ni) doped ZnO thin nanoplates for anti-cancer applications	M. Sangeetha Vidhya, **G. Ravi,** R. Yuvakkumar	National conference onAdvanced materials for sustainableEnergy and sensors (NCAMSES – 2019)	Alagappa University Karaikudi.	March 20-22, 2019.
74.	Influence of Mn (1%, 3%, 5%) dopant concentrations on the structural and optical properties of SnO_2 nanostructures prepared by simple chemical co-precipitation technique	M. Sathya, S. Asaithambi, P. Sakthivel, M. Karuppaiah, G. Udhaya Sankar, R. Yuvakkumar, **G. Ravi**	National conference onAdvanced materials for sustainableEnergy and sensors (NCAMSES – 2019)	Alagappa University Karaikudi.	March 20-22, 2019.
75.	Fe and Ni based bimetal sulfide synthesis for superior electrochemical water oxidation	P. Aiswarya Kanjana, B. Jansi Rani, **G. Ravi**, R. Yuvakkumar	National conference onAdvanced materials for sustainableEnergy and sensors (NCAMSES – 2019)	Alagappa University Karaikudi.	March 20-22, 2019.

76.	The effect of annealing temperature on structural, morphological and optoelectronic properties of the sputtered CdO thin films as TCO for photovoltaic applications	B. Steffy, P. Sakthivel, S. Asaithambi, M. Karuppaiah, G. Udhaya Sankar, R. Yuvakkumar, **G. Ravi**	National conference onAdvanced materials for sustainableEnergy and sensors (NCAMSES – 2019)	Alagappa University Karaikudi.	March 20-22, 2019.
77.	Preparation and characterization of structural, optical, morphological and compositional studies of pure and Co ion added tin oxide nanoparticles	R. Bruntha, S. Asaithambi, P. Sakthivel, M. Karuppaiah, G. Udhaya Sankar, **G. Ravi**	National conference onAdvanced materials for sustainableEnergy and sensors (NCAMSES – 2019)	Alagappa University Karaikudi.	March 20-22, 2019.
78.	Co doped V_2O_5 hexagonal plates for electrochemical water splitting applications	R. DhivyaSrinithi, B. Jansi Rani, P. Paramasivam, **G. Ravi,** R. Yuvakkumar	National conference onAdvanced materials for sustainableEnergy and sensors (NCAMSES – 2019)	Alagappa University Karaikudi.	March 20-22, 2019.
79.	Effect of gadolinium doping and film thickness on the structural, morphological and optoelectronic properties of RF sputtered CdO thin films as transparent conducting oxide for optoelectronic devices	S. Naveen, P. Sakthivel, S. Asaithambi, M. Karuppaiah, G. Udhaya Sankar, R. Yuvakkumar, **G. Ravi**	National conference onAdvanced materials for sustainableEnergy and sensors (NCAMSES – 2019)	Alagappa University Karaikudi.	March 20-22, 2019.
80.	Synthesis and characterization of transition metal Ni^{2+}, Co^{2+}, Cu^{2+} doped manganese carbonate	S. Anupriya, M. Karuppaiah, P. Sakthivel, S. Asaithambi, A. Revathi, R.Yuvakkumar, **G.Ravi**	National conference onAdvanced materials for sustainableEnergy and sensors (NCAMSES – 2019)	Alagappa University Karaikudi.	March 20-22, 2019.
81.	Multifunctional transition metal (Mo, Co, Cu) sulfides for super capacitor andwater splitting applications	S.S. Pradeepa, B. Jansi Rani, **G. Ravi**, R. Yuvakkumar	National conference onAdvanced materials for sustainableEnergy and sensors (NCAMSES – 2019)	Alagappa University Karaikudi.	March 20-22, 2019.
82.	Electrochemical behavior of bare and Ni doped Mo_5O_{14}/MoO_3 Nanostructures	S. Savitha, B. Jansi Rani, P. Paramasivam, **G. Ravi**, R. Yuvakkumar	National conference onAdvanced materials for sustainableEnergy and sensors (NCAMSES – 2019)	Alagappa University Karaikudi.	March 20-22, 2019.
83.	Investigation on Mo doped SeO_2 nanostructures for Water Oxidation	S. Swathi, B. Jansi Rani, **G. Ravi**, R. Yuvakkumar	National conference onAdvanced materials for sustainableEnergy and sensors (NCAMSES – 2019)	Alagappa University Karaikudi.	March 20-22, 2019.

84.	Structural and DFT analysis of 13-(4-chlorophenyl)-6, 12-dihydro-5H benzo[f]indeno[1,2-b] quinoline	Vediyappan Suresh kumar, Mutharasappan Nachiappan, **GanesanRavi,** Jeyaraman Jeyakanthan	National conference onAdvanced materials for sustainableEnergy and sensors (NCAMSES – 2019)	Alagappa University Karaikudi.	March 20-22, 2019.
85.	Facile hydrothermal synthesis of HNT composite α-Fe_2O_3 for biological application	G. Vijayaprasath, **G. Ravi**, B. Subramanian	National conference onAdvanced materials for sustainableEnergy and sensors (NCAMSES – 2019)	Alagappa University Karaikudi.	March 20-22, 2019.
86.	Hydrothermal synthesis and characterization of nano octahedra and nanosheet α-Fe_2O_3 nanoparticles	G. Vijayaprasath, P. Sakthivel, **G. Ravi,** B. Subramanian	National conference onAdvanced materials for sustainableEnergy and sensors (NCAMSES – 2019)	Alagappa University Karaikudi.	March 20-22, 2019.
87.	Micro-effects by KOH and NaOH agents on the synthesis of CuO Nanostructures	G. Udhaya Sankar, P. Sakthivel, S. Asaithambi, M. Karuppaiah, R.Yuvakkumar, C. Ganesa Moorthy, **G. Ravi**	National conference onAdvanced materials for sustainableEnergy and sensors (NCAMSES – 2019)	Alagappa University Karaikudi.	March 20-22, 2019.
88.	Comparative studies on the physical properties of three potentially important transparent conducting oxide thin films of CdO, ZnO and CdZnO deposited by RF sputtering technique for optoelectronic applications	J. Bharathi , P. Sakthivel, S. Asaithambi, M. Karuppaiah, G. Udhaya Sankar R.Yuvakkumar, **G. Ravi**	National conference onAdvanced materials for sustainableEnergy and sensors (NCAMSES – 2019)	Alagappa University Karaikudi.	March 20-22, 2019.
89.	Electrochemical Water Oxidation of $NiCo_2O_4$and $CoNi_2S_4$ Nanospheres Supported on Ni foam Substrate	K. Nivetha, B. Jansi Rani, **G. Ravi,** R. Yuvakkumar	National conference onAdvanced materials for sustainableEnergy and sensors (NCAMSES – 2019)	Alagappa University Karaikudi.	March 20-22, 2019.
90.	Electrochemical performance of Mn and Ni based sulfide nanocomposites for water splitting applications	N. Dhivya, B. Jansi Rani, **G. Ravi,** R. Yuvakkumar	National conference on Advanced materials for sustainable Energy and sensors (NCAMSES – 2019)	Alagappa University Karaikudi.	March 20-22, 2019.
91.	Synthesis of $MnNiO_3/Mn_3O_4$ Nanocomposites for Water Electrolysis Process	B. Jansi Rani, S. Rathika, **G. Ravi,** R. Yuvakkumar	The International Conference on Advanced Materials for Clean Energy and Health Applications	Jaffna University, Sri Lanka.	Feb 6-8, 2019.
92.	Formation of thin film nanostructures of Wo_3 and $MoO_3$for gas sensing and photoelectron chemical applications	**G. Ravi**	23rd national seminor on crystal growth and applications.	Bharathiar University, Coimbatore.	Jan 28-30, 2019.

93.	Synthesis and characterization of structural, optical and visible light induced photocatalytic performance of pure and Mn doped SnO_2 nanoparticles for degradation of organic pollutant	S. Asaithambi, P. Sakthivel, M. Karuppaiah, **G. Ravi**	5th International conference on nanoscience and nanotechnology (ICONN -2019)	SRMIST, Chennai.	Jan 28-30, 2019.
94.	The effects of morphology on pseudocapacitive properties of manganese carbonate nanomaterials for supercapacitor applications	M. Karuppaiah, P. Sakthivel, S. Asaithambi, **G. Ravi**	5th International conference on nanoscience and nanotechnology (ICONN -2019)	SRMIST, Chennai.	Jan 28-30, 2019.
95.	Fangled design and fabrication of p-CuO/n-CdO heterojunction thin films for diode applications	P. Sakthivel, S. Asaithambi, M. Karuppaiah, **G. Ravi**	5th International conference on nanoscience and nanotechnology (ICONN -2019)	SRMIST, Chennai.	Jan 28-30, 2019.
96.	Structural and optical properties of pure $MnCO_3$ and molar ratio varied synthesis of $MnCO_3/NiCO_3$ nanoparticles	M. Karuppaiah, R. Murugan, P. Sakthivel, S. Asaithambi, **G. Ravi**	2nd International Conference on advances in new materials (ICAN - 2018)	Madras University, Chennai.	June 8-9, 2018.
97.	Influence of substrate temperature on structural, morphological and optoelectronic properties of magnetron sputtered CdO thin films as an alternate transparent conducting oxide for optoelectronic devices	P. Sakthivel, R. Murugan, S. Asaithambi, M. Karuppaiah, E. Saravanakumar, **G.Ravi**	2nd International Conference on advances in new materials (ICAN - 2018)	Madras University, Chennai.	June 8-9, 2018.
98.	Enhanced visible light induced photo catalytic activity of cobalt doped tin oxide (SnO_2) nanoparticles for photo degradation of organic dyes	S. Asaithambi, R. Murugan, P. Sakthivel, M. Karuppaiah, **G. Ravi**	2nd International Conference on advances in new materials (ICAN - 2018)	Madras University, Chennai.	June 8-9, 2018.
99.	Structural, optical and morphological properties of cobalt doped tin oxide nanoparticles.	S. Asaithambi, R. Murugan, P. Sakthivel, M. Karuppaiah, **G. Ravi**	International Conference on recent advances in materials (ICRAM- 2018)	National College, Trichy.	March 22-23, 2018.
100.	Structural, optical and magnetic properties of rapid microwave assisted synthesis of Co_3O_4 and Mn_2O_3 nanoparticles.	M. Karuppaiah R. Murugan, S. Asaithambi, P. Sakthivel, **G. Ravi**	International Conference on recent advances in materials (ICRAM- 2018)	National College, Trichy.	March 22-23, 2018.
101.	Preparatin and	P. Sakthivel,	International	National College,	March

	characterization of high performance Sm doped CdO thin films as an alternative transparent conducting oxide for optoelectronic devices.	R. Murugan, S. Asaithambi, M. Karuppaiah, E. Saravanakumar, **G. Ravi**	Conference on recent advances in materials (ICRAM- 2018)	Trichy.	22-23, 2018.
102.	Effect of annealing temperature on the properties of Co-CeO_2 thin films.	R. Murugan, S. Sivaranjani, P. Sakthivel, S. Asaithambi, M. Karuppaiah, **G. Ravi**	International Conference on momentous role of nanomaterials in renewable energy devices (IC MNRE 2018)	Alagappa University Karaikudi.	March 1-2, 2018.
103.	Studies on optoelectronic properties of sputtered CdO:Sm_2O_3 thin films as alternative tco for optoelectronic applications.	P. Sakthivel, R. Murugan, S. Asaithambi, M. Karuppaiah, E.Saravanakumar, **G. Ravi**	International Conference on momentous role of nanomaterials in renewable energy devices (IC MNRE 2018)	Alagappa University Karaikudi.	March 1-2, 2018.
104.	Microwave synthesis of optical and magnetic properties of Mn_2O_3 and Co_3O_4 nanoparticles.	M. Karuppaiah R. Murugan, S. Asaithambi, P. Sakthivel, **G. Ravi**	International Conference on momentous role of nanomaterials in renewable energy devices (IC MNRE 2018)	Alagappa University Karaikudi.	March 1-2, 2018.
105.	Structural and optical properties of Ni doped tin oxide nanoparticles with enhanced visible light photocatalytic activity	S. Asaithambi, R. Murugan, P. Sakthivel, M. Karuppaiah, **G. Ravi**	International Conference on momentous role of nanomaterials in renewable energy devices (IC MNRE 2018)	Alagappa University Karaikudi.	March 1-2, 2018.
106.	Crystal structure analysis of pyridine derivatives	Vediyappan Sureshkumar, Mutharasappan Nachiappan, Jeyaraman Jeyakanthan, **Ganesan Ravi,** Sriraghavan Kamaraj, Shivalingegowda Navee	International Conference on momentous role of nanomaterials in renewable energy devices (IC MNRE 2018)	Alagappa University Karaikudi.	March 1-2, 2018.
107.	Photoelectrochemical response of Ag doped ZnO hierarchical microflowers	A. Anusiya, B. Jansi Rani, **G. Ravi** V. Ganesh, R. Yuvakkumar	International Conference on momentous role of nanomaterials in renewable energy devices (IC MNRE 2018)	Alagappa University Karaikudi.	March 1-2, 2018.
108.	Bi_2O_3 nanostructures for photoelectrochemical water splitting applications	B. Jansi Rani, M. Praveen kumar, **G. Ravi** S. Ravichandran, R. Yuvakkumar	International Conference on momentous role of nanomaterials in renewable energy devices (IC MNRE 2018)	Alagappa University Karaikudi.	March 1-2, 2018.
109.	Synthesis and characterization of	K. Pachaiammal, B. Jansi Rani,	International Conference on	Alagappa University Karaikudi.	March 1-2, 2018.

	$MnWO_4$ nanostructures	**G. Ravi**, V. Ganesh, R. Yuvakkumar	momentous role of nanomaterials in renewable energy devices (IC MNRE 2018)		
110.	Electrochemical oer activity of $ZnWO_4$nanorods	S. Ramu, B. Jansi Rani, **G. Ravi,** V. Ganesh, R. Yuvakkumar	International Conference on momentous role of nanomaterials in renewable energy devices (IC MNRE 2018)	Alagappa University Karaikudi.	March 1-2, 2018.
111.	Electrochemical properties ofMn_3O_4/$MnSnO_3$nanocomposites for supercapacitor applications	R. Shobana, B. Saravanakumar, **G. Ravi** V. Ganesh, R. Yuvakkumar	International Conference on momentous role of nanomaterials in renewable energy devices (IC MNRE 2018)	Alagappa University Karaikudi.	March 1-2, 2018.
112.	$CoWO_4$nanostructures for superior electrochemical water oxidation	M. Surya, B. Jansi Rani, **G. Ravi**, V. Ganesh, R. Yuvakkumar	International Conference on momentous role of nanomaterials in renewable energy devices (IC MNRE 2018)	Alagappa University Karaikudi.	March 1-2, 2018.
113.	$CuWO_4$ nanostructures pHS dependent oer activity	S. Yanambal, B. Jansi Rani, **G. Ravi**, V. Ganesh, R. Yuvakkumar	International Conference on momentous role of nanomaterials in renewable energy devices (IC MNRE 2018)	Alagappa University Karaikudi.	March 1-2, 2018.
114.	Structural and optical properties of Mn doped tin oxide nanoparticles	S. Asaithambi, R. Murugan, P. Sakthivel, M. Karuppaiah, R. Yuvakkumar, **G. Ravi**	International Conference on Advanced Nanomaterials (ICAN- 2018)	Alagappa University Karaikudi.	Feb 26-27, 2018.
115.	Investigation of structural and optical properties of α-MnO_2 nanoparticles	M. Karuppaiah, R. Murugan, P. Sakthivel S. Asaithambi, R.Yuvakkumar, **G. Ravi**	International Conference on Advanced Nanomaterials (ICAN- 2018)	Alagappa University Karaikudi.	Feb 26-27, 2018.
116.	Effect of annealing temperature on structural and functional properties of Cadmium stannate thin films for opto electronic applications	P. Sakthivel, R. Murugan, S. Asaithambi, M. Karuppaiah, R. Yuvakkumar, **G. Ravi**	International Conference on Advanced Nanomaterials (ICAN- 2018)	Alagappa University Karaikudi.	Feb 26-27, 2018.
117.	Electro optic devices using optical crystals.	**G. Ravi**	State level conference on based research work in nano technolgy	Sri Paramakalyani College, Alwarkurichi.	Feb 23, 2018.
118.	Optical multiplexing in lithium niobate single crystals	**G. Ravi**	National Conference on recent trends in physics of materials -	Pachayappa's College, Chennai.	Feb 9-10, 2018.

			2018 (NCRTPM-2018)		
119.	Photochromic behaviour in Doubly doped stoichiometric lithium niobate single crystals	**G. Ravi**	22nd Nationalseminor on crystal growth and applications (XXII NSCGA-2018)	Sacred Heart College Tirupathur.	Jan 29-32, 2018.
120.	Effect of RF power on the properties of mixed Cdo:Sm_2O_3(90:10) sputtered thin films for Opto electronics applications	P. Sakthivel, R. Murugan, S. Asaithambi, M. Karuppaiah, **G. Ravi**	International Workshop on Advanced materials and Device Technology(IWAMDT-2017)	Anna University, Chennai.	Nov 22-24, 2017.
121.	Investigation of structural and optical properties of α-MnO_2 nanoparticles.	M. Karuppaiah, R. Murugan, S. Asaithambi, P. Sakthivel, **G. Ravi**	International Workshop on Advanced materials and Device Technology(IWAMDT-2017)	Anna University, Chennai.	Nov 22-24, 2017.
122.	Structural and optical properties of Nickel ions Implanted tin oxide nanoparticles	S. Asaithambi, R. Murugan, P. Sakthivel, M. Karuppaiah, **G. Ravi**	International Workshop on Advanced materials and Device Technology(IWAMDT-2017)	Anna University, Chennai.	Nov 22-24, 2017.
123.	Effect of annealing temperature on tin oxide nanoparticles synthesized by Microwave assisted route.	S. Asaithambi, R. Murugan, P. Sakthivel, M. Karuppaiah, **G. Ravi**	International Conference on Recent Trends in Material Science And its Applications, (ICRM-17)	UrumuDhanalakshmi College, Trichy.	Aug 21, 2017.
124.	Temperature dependent chemical transform of α-MnO_2 nanoparticles.	M. Karuppaiah, R. Murugan, S. Asaithambi, P. Sakthivel, **G. Ravi**	International Conference on Recent Trends in Material Science And its Applications, (ICRM-17)	UrumuDhanalakshmi College, Trichy.	Aug 21, 2017.
125.	A Comparison study of two Indium free alternative Cadmium based TCO thin films for optoelectronic applications.	P. Sakthivel, R. Murugan, S. Asaithambi, M. Karuppaiah, **G. Ravi**	International Conference on Recent Trends in Material Science And its Applications, (ICRM-17)	UrumuDhanalakshmi College, Trichy.	Aug 21, 2017.
126.	Formation of thin film nanostructures of Wo_3 and MoO_3 and their characterization	**G. Ravi**	International Conference on Nanoscience and nano Technology(ICONN-2017)	SRM University, Chennai.	Aug 21, 2017.
127.	Micro wave assited synthesis of Ni doped MnO_2 nanoparticles.	M. Karuppaiah, R. Murugan, P. Sakthivel, S. Asaithambi, G. Vijayaprasath, **G. Ravi**	National Conference on Futuristic Materials (NCFM-2017)	Alagappa University, Karaikudi.	March 27-28, 2017.
128.	Effect of RF power on structural and optical properties of magnetron	S. Asaithambi, R. Murugan, P. Sakthivel,	National Conference on Futuristic Materials	Alagappa University, Karaikudi.	March 27-28, 2017.

	sputtered SnO_2thin films.	M. Karuppaiah, G. Vijayaprasath, **G. Ravi**	(NCFM-2017)		
129.	Room temperature ferromagnetism on rf sputtered Mn doped CeO_2 thin films.	R. Murugan, R. Subash, A. Ilakkia, N. Saranya, P. Sakthivel, S. Asaithambi, M. Karuppaiah, G. Vijayaprasath, **G. Ravi**	National Conference on Futuristic Materials (NCFM-2017)	Alagappa University, Karaikudi.	March 27-28, 2017.
130.	Deposition and characterization of rf sputtered CdO thin films for optoelectronics device applications.	P. Sakthivel, A. Divya, R. Murugan, S. Asaithambi, P. Sakthivel, M. Karuppaiah, G. Vijayaprasath, **G. Ravi**	National Conference on Futuristic Materials (NCFM-2017)	Alagappa University, Karaikudi.	March 27-28, 2017.
131.	Structural ,optical and magnetic propertiesof yttrium doped ZnO nanoparticles.	G. Vijayaprasath, R. Murugan, P. Sakthivel, S. Asaithambi, M. Karuppaiah, **G. Ravi**	National Conference on Futuristic Materials (NCFM-2017)	Alagappa University, Karaikudi.	March 27-28, 2017.
132.	Influence of Diferent PH values on structural, morphological and electrochemical properties of $MnFe_2O_4$ nanoparticles	M. Durga, B. Jansi Rani, **G. Ravi**, R. Yuvakkumar,	National Conference on Futuristic Materials (NCFM-2017)	Alagappa University, Karaikudi.	March 27-28, 2017.
133.	Influence of reducing agent ($NaBH_4$) concentration on structural ,optical and magnetic properties of NiO nanoparticles	B. Jansi Rani, B. Saravanakumar, **G. Ravi**, R. Yuvakkumar	National Conference on Futuristic Materials (NCFM-2017)	Alagappa University, Karaikudi.	March 27-28, 2017.
134.	Synthesis of hermitate (α-Fe_2O_3) nanostructures by four different protocols and their characteristic investigation	R. Mageswari, B. Jansi Rani, **G. Ravi**, R. Yuvakkumar	National Conference on Futuristic Materials (NCFM-2017)	Alagappa University, Karaikudi.	March 27-28, 2017.
135.	Effect of surfactant on Zn-SnO_2 nanoparticles by solgel method.	K. Karpagam, B. Saravanakumar, **G. Ravi,** R. Yuvakkumar	National Conference on Futuristic Materials (NCFM-2017)	Alagappa University, Karaikudi.	March 27-28, 2017.
136.	Synthesis and charecterization of Zn-Co_2O_4 nanoparticles	T. Priyadharshini, B. Saravanakumar, **G. Ravi,** R. Yuvakkumar	National Conference on Futuristic Materials (NCFM-2017)	Alagappa University, Karaikudi.	March 27-28, 2017.
137.	Influence of calcinations temperature on structural ,optical and magnetic properties of $MgFe_2O_4$ nanoparticles	M. Ravina, B. Jansi Rani, **G. Ravi**, R. Yuvakkumar	National Conference on Futuristic Materials (NCFM-2017)	Alagappa University, Karaikudi.	March 27-28, 2017.

138.	Effect of hydrothermal reaction period of manganese cobalt oxide on structural and morphology property	S.P. Rama chandran, B. Saravana kumar, **G. Ravi**, R. Yuvakkumar	National Conference on Futuristic Materials (NCFM-2017)	Alagappa University, Karaikudi.	March 27-28, 2017.
139.	Synthesis and characterization of MnS Nanoparticles.	B. Saravana kumar, **G. Ravi,** R. Yuvakkumar	National Conference on Futuristic Materials (NCFM-2017)	Alagappa University, Karaikudi.	March 27-28, 2017.
140.	Preparation and charecterization of Ag-SnO_2 by simple hydro thermal method.	B. Saravana kumar, B. Jansi Rani, **G. Ravi**, R. Yuvakkumar	National Conference on Futuristic Materials (NCFM-2017)	Alagappa University, Karaikudi.	March 27-28, 2017.
141.	Influence of calcination temperature on structural, optical and magnetic properties of Hematite(α-Fe_2O_3) Nanoparticles	B. Jansi Rani, B. Saravana kumar, **G. Ravi**, R. Yuvakkumar	National Seminor on Synthesis, Characterization and Applications of Advanced Materials (AMR-2017)	Alagappa University, Karaikudi.	Jan 19, 2017.
142.	PEG-400 assisted synthesis of Ni-MoO_4 (Nickel Molybdenum Oxide) Nanoparticles by simple chemical method	S.P.Rama chandran, B. Saravana kumar, **G. Ravi,** R. Yuvakkumar	National Seminor on Synthesis, Characterization and Applications of Advanced Materials (AMR-2017)	Alagappa University, Karaikudi.	Jan 19, 2017.
143.	Effect of different surfactant on synthesis, characterization of MoO_3 Molybdenum oxide Nanoparticles	S. Muthulakshmi, B. Saravana kumar, **G. Ravi,** R. Yuvakkumar	National Seminor on Synthesis, Characterization and Applications of Advanced Materials (AMR-2017)	Alagappa University, Karaikudi.	Jan 19, 2017.
144.	Facile one step synthesis of Ni-Co_2O_4 Nickel Cobalt Oxide Nanoparticles with PEG-400 as surfactant by chemical reduction method	T. Priyadharshini, B. Saravana kumar, **G. Ravi**, R. Yuvakkumar	National Seminor on Synthesis, Characterization and Applications of Advanced Materials (AMR-2017)	Alagappa University, Karaikudi.	Jan 19, 2017.
145.	Comparative study of structural, morphological and optical properties of pure and Zinc substituted Cobalt-Nickel mixed Ferrite Nanoparticles for water splitting application	M. Durga, B. Jansi Rani, **G. Ravi**, R. Yuvakkumar,	National Seminor on Synthesis, Characterization and Applications of Advanced Materials (AMR-2017)	Alagappa University, Karaikudi.	Jan 19, 2017.
146.	Investigation on structural, morphological and magnetic properties of $CoFe_2O_4$ Nanoparticles with respect to calcination temperature	R. Mageswari, B. Jansi Rani, **G. Ravi**, R. Yuvakkumar	National Seminor on Synthesis, Characterization and Applications of Advanced Materials (AMR-2017)	Alagappa University, Karaikudi.	Jan 19, 2017.
147.	Synthesis of Mn_3O_4 Nanoparticles by three different protocols for supercapacitor application	M. Ravina, B. Jansi Rani, **G. Ravi**, R. Yuvakkumar	National Seminor on Synthesis, Characterization and Applications of Advanced Materials (AMR-2017)	Alagappa University, Karaikudi.	Jan 19, 2017.
148.	Structural, optical and	A. Ilakkiya,	National Seminor on	Alagappa	Jan 19,

	magnetic properties of pure and Co doped CeO_2 thin films deposited by RF sputtering	R. Murugan, G. Vijayaprasath, P. Sakthivel, S. Asaithambi, M. Karuppaiah, **G. Ravi**	Synthesis, Characterization and Applications of Advanced Materials (AMR-2017)	University, Karaikudi.	2017.
149.	Microwave-assisted rapid synthesis of Ni-Fe-MnO_2 nanocomposite	M. Karuppaiah, R. Murugan, P. Sakthivel, S. Asaithambi, G. Vijayaprasath, **G. Ravi**	National Seminor on Synthesis, Characterization and Applications of Advanced Materials (AMR-2017)	Alagappa University, Karaikudi.	Jan 19, 2017.
150.	Structural and optical properties of SnO_2 thin film prepared by sol-gel spin coating technique	S. Asaithambi, R. Murugan, P. Sakthivel, M. Karuppaiah, G. Vijayaprasanth, **G. Ravi**	National Seminor on Synthesis, Characterization and Applications of Advanced Materials (AMR-2017)	Alagappa University, Karaikudi.	Jan 19, 2017.
151.	Microwave assisted synthesis of pure and Ni-CeO_2 Nanoparticles for enhanced photo degradation of methylene blue	R. Murugan, G. Vijayaprasanth, P. Sakthivel, S. Asaithambi, M. Karuppaiah, **G. Ravi**	National Seminor on Synthesis, Characterization and Applications of Advanced Materials (AMR-2017)	Alagappa University, Karaikudi.	Jan 19, 2017.
152.	Structural, optical and magnetic properties of pure and Ni-doped CeO_2 Nanostructures	R. Subash, R. Murugan, G. Vijayaprasanth, P. Sakthivel, S. Asaithambi, M. Karuppaiah, **G. Ravi**	National Seminor on Synthesis, Characterization and Applications of Advanced Materials (AMR-2017)	Alagappa University, Karaikudi.	Jan 19, 2017.
153.	Effect of Cu doping on structural and optical properties of ZnO thin films by sol-gel spin coating method	G. Vijayaprasanth, R. Murugan, S. Asaithambi, P. Sakthivel, M. Karuppaiah **G. Ravi**	National Seminor on Synthesis, Characterization and Applications of Advanced Materials (AMR-2017)	Alagappa University, Karaikudi.	Jan 19, 2017.
154.	Effect of PH on the synthesis and characterization of SnO_2 by one step hydrothermal method	B. Saravana kumar, B. Jansi Rani, **G. Ravi**, R. Yuvakkumar	National Seminor on Synthesis, Characterization and Applications of Advanced Materials (AMR-2017)	Alagappa University, Karaikudi.	Jan 19, 2017.
155.	Synthesis and characterization of Nickel Cobalt Oxide Nanoparticles by chemical reduction method	J. Karpgam, B. Saravana kumar, **G. Ravi**, R. Yuvakkumar	National Seminor on Synthesis, Characterization and Applications of Advanced Materials (AMR-2017)	Alagappa University, Karaikudi.	Jan 19, 2017.
156.	Preparation of transparent conducting CdO thin films by RF sputtering technique for TCO applications	P. Sakthivel, A. Divya, R. Murugan, G. Vijayaprasath, **G. Ravi**	National Seminor on Synthesis, Characterization and Applications of Advanced Materials (AMR-2017)	Alagappa University, Karaikudi.	Jan 19, 2017.
157.	Effect of substrate temperature on the structural and optical	N. Saranya, R. Murugan, G. Vijayaprasath	National Seminor on Synthesis, Characterization and	Alagappa University, Karaikudi.	Jan 19, 2017.

	properties of CeO2 sputtered thin films	P. Sakthivel, S. Asaithambi, M. Karuppaiah, **G. Ravi**	Applications of Advanced Materials (AMR-2017)		
158.	Structural and optical properties of RF sputtered pure and Ni doped CeO_2 thin films	R. Murugan, M. Karuppaiah, G. Vijayaprasath, P. Sakthivel, S. Asaithambi, **G. Ravi**	National Conference on Material Science And Technology: Recent Trends And Future Prospects (NCMST: RTFP–2016)	Arignar Anna Govt. Arts College, Villupuram.	Dec 29-30, 2016.
159.	Fabrication of highly transparent and conducting CdO thin films by RF sputtering technique for TCO applications	P. Sakthivel, S. Asaithambi, R. Murugan**,** G. Vijayaprasath, **G. Ravi**	National Conference on Material Science And Technology: Recent Trends And Future Prospects (NCMST: RTFP – 2016)	Arignar Anna Govt. Arts College, Villupuram.	Dec 29-30, 2016.
160.	Lithium Niobate crystals for Optical memory devices	**G. Ravi**	Special Lecture presentation at Nagoya Institute of Technology	Nagoya, Japan.	Dec 2, 2016
161.	Charge transfer mechanism in doubly doped LN crystals	**G. Ravi**	The 18thTakayanagiKenjiro Memorial Symposium toward Advanced Imaging Science Creation	Shizuoka University, Japan.	Nov 15-16, 2016
162.	$\alpha - Fe_2O_3$ Nanoparticles as a byproduct from the thin film (SILAR) deposition process: A study on the product	S. Sheik Fareed, N. Mythili, G. Vijayaprasath, R. Chandramohan, **G. Ravi**	International conference on Smart Engineering Materials	RV College of Engineering, Bengaluru.	Oct 20-22, 2016.
163.	The Effect of Sputtering Power on Structural, Morphological, Optical and Electrical Properties of RF Sputtered CdO Thin Films	P. Sakthivel , R. Murugan, G. Viajayaprasath, **G. Ravi**	International conference on Recent advanced materials. (PHYIM2016)	Ananda College, Devakottai.	Sept 19-20, 2016.
164.	Influence of bath Temperature on Structural, Morphological and Optical Properties of Simplified SILAR Deposited Magnetite (Fe_3O_4) Thin Films	S. Sheik Fareed, N. Mythili, G. Vijayaprasath, R. Murugan, H. Mohamed Mohaideen, R. Chandramohan, **G. Ravi**	International Conference on Functional Materials	Centre for Scientific and Applied Research-PSN College of Engineering And Technology.	Sept 7-10, 2016.
165.	Pure and transition metal doped cerium oxide thin films deposited by rf magnetron sputtering	R. Murugan, L. Rajarajeswari, G. Vijayaprasath, P. Sakthivel, **G. Ravi**	International Conference on Functional Materials	Centre for Scientific and Applied Research-PSN College of Engineering And Technology.	Sept 7-10, 2016.
166.	Characterization studies of Ni/Co Co-doped ZnO nanoparticles	G. Vijaya Prasath, R. Murugan, S. Asaithambi, P. Sakthivel,	2nd National Conference on Nanophotonics (NCNP-2016)	Bharathidasan University, Trichy.	March 18-19, 2016.

		G. Ravi			
167.	Microwave synthesis effects and ferromagnetic evolution on metal oxide nanostructures	G. Anandha babu, P. Sakthivel, **G. Ravi**	National Conference on Advances in Material Science (NCAMS-2016)	M.V.M Govt. Arts College, Dindigul.	Feb 12, 2016.
168.	Post heat treatment role on the physical properties of V_2O_5 thin films fabricated by EB-PVD	T. Shrividhya, T. Thiruselvi, T. Mahalingam, **G. Ravi**	National Conference on Advances in Material Science (NCAMS-2016)	M.V.M Govt. Arts College, Dindigul.	Feb 12, 2016.
169.	Synthesis of nanocrystalline ceria particles prepared by Microwave assisted method	R. Murugan, G. Vijayaprasath, L. Raja Rajeswari, P. Sakthivel, **G. Ravi**	National Conference on Advances in Material Science (NCAMS-2016)	M.V.M Govt. Arts College, Dindigul.	Feb 12, 2016.
170.	Substrate temperature effects of RF sputtered cerium oxide thin films	R. Murugan, G. Vijayaprasath, L. Raja Rajeswari, P. Sakthivel, S.Janaki saraswathy, **G. Ravi**	National Conference on Advances in Material Science (NCAMS-2016)	M.V.M Govt. Arts College, Dindigul.	Feb 12, 2016.
171.	Influence of Ce doping on structural and optical properties of ZnO nanostructures	G. Vijayaprasath, R. Murugan, P. Sakthivel, **G. Ravi**	National Conference on Advances in Material Science (NCAMS-2016)	M.V.M Govt. Arts College, Dindigul.	Feb 12, 2016.
172.	Optical properties of NiO thin films prepared by sol-gel spin coating method	G. Vijayaprasath, R. Murugan, P. Sakthivel, **G. Ravi**	National Conference on Advances in Material Science (NCAMS-2016)	M.V.M Govt. Arts College, Dindigul.	Feb 12, 2016.
173.	Structural and optical properties of Tb doped ZnO nanostructures	G. Vijayaprasath, K. Sinthu, R. Murugan, P. Sakthivel, **G. Ravi**	National Conference on Advances in Material Science (NCAMS-2016)	M.V.M Govt. Arts College, Dindigul.	Feb 12, 2016.
174.	Deposition and characterization of ZnO thin film using sol-gel method	G. Vijayaprasath, R. Murugan, J. Jenitta rose, P. Sakthivel, **G. Ravi**	National Conference on Advances in Material Science (NCAMS-2016)	M.V.M Govt. Arts College, Dindigul.	Feb 12, 2016.
175.	Structural Morphological and Optical properties of CeO_2 thin films deposited by RF sputtering	R. Murugan, G. Vijayaprasath, P. Sakthivel, T. Mahalingam, **G. Ravi**	60^{th} DAE Solid state symposium	Amity University UP, Noida.	Dec 21-25, 2015
176.	Deposition and characterization of ZnO/NiO thin films	G. Vijayaprasath, P. Sakthivel, R. Murugan, T. Mahalingam, **G. Ravi**	60^{th} DAE Solid state symposium	Amity University UP, Noida.	Dec 21-25, 2015
177.	Preparation and Magnetic evaluation of Ce and Nd doped NiO nanostructures	G. Anandhababu, P. Sakthivel, T. Mahalingam, **G. Ravi**	60^{th} DAE Solid state symposium	Amity University UP, Noida.	Dec 21-25, 2015
178.	Structural And Magnetic Properties Of Ni/Mn CodopedZnO Nanoparticles	G. Vijayaprasath, R. Murugan, S. Asaithambi, P. Sakthivel, T. Mahalingam, **G. Ravi**	International Conference On Condensed Matter & Applied Physics, ICC 2015	Department of Physics Govt. Engineering College, Bikaner.	Oct 30-31, 2015.

179.	Effect of annealing temperature on the structural and optical properties of ni-ceo$_2$ thin films	R. Murugan, G. Vijayaprasath, P. Sakthivel, T. Mahalingam, **G. Ravi**	International Conference On Condensed Matter & Applied Physics, ICC 2015	Department of Physics Govt. Engineering College, Bikaner.	Oct 30-31, 2015.
180.	Optical Multiplexing in crystals	**G. Ravi**	Delivered Invited Talk, International Symposium toward the Future of Advanced Researches in Shizuoka University, Japan	Shizuoka University, Japan.	Jan 27-28, 2015.
181.	Effect of Rare Earth Doped Co_3O_4 Nanoparticles and Their Magnetic Performance	G. Anandha babu, **G. Ravi**	DAE-BRNS 5th Interdisciplinary Symposium on Materials Chemistry	BARC, Mumbai, India.	Dec 9-13, 2014.
182.	Optical crystals for optical applications	**G. Ravi**	International intradiciplinary Conference on the Frontier of Crystallography (IICFC-14)	Mangalore University, India.	Dec 29-30 2014.
183.	Effect of magnesium addition on structural and magnetic properties of NiO, Co_3O_4 nanoparticles	G. Anandha babu, S. Thenmozhi, Y. Hayakawa, **G. Ravi**	59th DAE Solid State Symposium (DAE)	Vellore Institute of Technology, Velur.	Dec 16-20, 2014.
184.	Effect of aluminium doping on structural and optical properties of ZnO thin films by sol-gel method	G. Vijayaprasath, R. Murugan, Y. Hayakawa, **G. Ravi**	59th DAE Solid State Symposium (DAE)	Vellore Institute of Technology, Velur.	Dec 16-20, 2014.
185.	Effect on Structural and Optical Properties of Rare Earth doped Co_3O_4 Nanoparticles	G. Anandha babu, G. Vijayaprasath, **G. Ravi**	International Conference on Sustainable Energy Technologies	PSGCT, Coimbatore.	Dec 11-13, 2014.
186.	Effect of thickness on structural, Microstructural and Optical properties of V_2O_5 thin films prepared by EB-PVD	T. Shrividhya, R. Murugan, T. Mahalingam, **G. Ravi**	International Conference on Sustainable Energy Technologies	PSGCT, Coimbatore.	Dec 11-13, 2014.
187.	Structural, Optical and Magnetic properties of transition metal (Co, Ni) doped ZnO nanoparticles	G. Vijayaprasath G. Anandha babu R. Murugan, **G. Ravi**	International Conference on Sustainable Energy Technologies	PSGCT, Coimbatore.	Dec 11-13, 2014.
188.	Optical and microstructural properties of Cerium Oxide thin films by rf sputtering	R. Murugan, T. Shrividhya, G. Vijayaprasath, **G. Ravi**	International Conference on Sustainable Energy Technologies	PSGCT, Coimbatore.	Dec 11-13, 2014.
189.	Effect of Rare Earth Doped Co_3O_4 Nanoparticles and Their Magnetic Performance	G. Anandhababu, **G. Ravi**	DAE-BRNS 5th Interdisciplinary Symposium on Materials Chemistry	BARC, Mumbai, India.	Dec 9-13, 2014.
190.	Structural, Functional and Optical studies on Ce doped ZnO nanoparticles	T. Marimuthu, **G. Ravi**, S. Rajendran, N. Anandhan	National conference on materials for energy storage and conversion	PSN college of Engineering & Tech. Tirunelveli	Sept 4-5, 2014.
191.	Growth and	A. AmaliRoselin,	National conference	PSN college of	Sept 4-5,

	characterization of Sm_2O_3 thin films by spin coating technique	N. Anandhan, **G. Ravi**, M. Mummoorthi, T. Marimuthu	on materials for energy storage and conversion	Engineering & Tech. Tirunelveli	2014.
192.	An effect of supporting electrolyte based CdO polycrystalline thin film prepared by electrodeposition method	M. Mummoorthi, N. Anandhan, T. Marimuthu , **G. Ravi**, T. Suganya	National conference on materials for energy storage and conversion	PSN college of Engineering & Tech. Tirunelveli	Sept 4-5, 2014.
193.	Structural and optical properties of Mn doped ZnO nanostructures prepared by co-precipitation method	G. Vijayaprasath, R. Murugan, **G. Ravi**	TEQIP II sponsored National Conference on Functional Materials (NCFM-2014)	PSG College of TechnologyCoimbatore.	May 23-24, 2014.
194.	Structural and Optical Characterizations of R.F. Sputtered CeO_2Thin Films	R. Murugan, G. Vijayaprasath, **G. Ravi**	TEQIP II sponsored National Conference on Functional Materials (NCFM-2014)	PSG College of TechnologyCoimbatore.	May 23-24, 2014.
195.	Optical Properties of V_2O_5 Thin Films Prepared by Electron Beam Evaporation Technique	T. Shrividhya, T. Mahalingam, **G. Ravi**	TEQIP II sponsored National Conference on Functional Materials (NCFM-2014)	PSG College of TechnologyCoimbatore.	May 23-24, 2014.
196.	Need of Industrial likage with educational Institutions	**G. Ravi**	Industry and Consultancy Cell & Centre for University Business Collaboration	Alagappa University, Karaikudi	April 28, 2014.
197.	Photo-refractive effect based optical devices	**G. Ravi**	National Conference in Advanced Materials and its Applications (NCAMA-2014)	Annamalai University	April 4-5, 2014.
198.	Effect Of Cerium Doping OnNiO, Co_3O_4 Nanoparticles And Their Properties	G. Anandhababu, **G. Ravi**	International Conference on Materials and Characterization Techniques	VIT University, Vellore.	March 10-12, 2014.
199.	Electro synthesis Of SnS Thin Films With Pentagon Hollow Like Architectures	T. Shrividhya, T. Mahalingam, **G. Ravi**	International Conference on Materials and Characterization Techniques	VIT University, Vellore.	March 10-12, 2014.
200.	Structural, Optical And Magnetic Properties Of Ni Admixture ZnO Nanorods Prepared By Co-Precipitation Method	G. Vijayaprasath, R. Murugan, **G. Ravi**	International Conference on Materials and Characterization Techniques	VIT University, Vellore.	March 10-12, 2014.
201.	Crystal Growth And Characterization Of GPS (Glycine Potassium Sulphate) And NMBA-MNA Mixed Crystals	R. Suhacini, **G. Ravi**	International Conference on Materials and Characterization Techniques	VIT University, Vellore.	March 10-12, 2014.
202.	Tailoring Nanostructures by changing growth	**G. Ravi**	National Conference on Recent Advances	Deparmentof Bioelectronics &	Mar 6-7,

	conditions of Thin film preparation		in Nanomaterials for Sensor Applications (NANOSE-14)	Biosensors Alagappa University, Karaikudi	2014.
203.	Improving Device Characteristics of Optical Crystals	**G. Ravi**	Improving Device Characteristics of Optical Crystals	Central University of Tamilnadu, Thiruvarur.	Feb 24-26, 2014.
204.	Device from crystals	**G. Ravi**	XVIII National seminar on crystal growth	SSN College of Engineering Kalavakkam, Chennai.	Feb 24-26, 2014.
205.	Studies On Structural, Vibrational And Optical Properties Of Ethylenediaminium Di(4-Nitrophenolate)	M. Thangaraj, **G. Ravi**	XVIII National seminar on crystal growth	SSN College of Engineering Kalavakkam-603 110, Chennai.	Feb 24-26, 2014.
206.	Structural, Compositional And Morphological Studies Of Thermally Evaporated MoO_3 Thin Films.	R. Senthilkumar, **G. Ravi**	58^{th} DAE Solid State Symposium	Thapar University, Patiala.	Dec 17-21, 2013.
207.	Structural And Optical Properties Of Ni Added ZnO Thin Films Deposited By Sol-Gel Method	R. Murugan, G. Vijayaprasath, T. Mahalingam, N. Anandhan, **G. Ravi**	58^{th} DAE Solid State Symposium	Thapar University, Patiala.	Dec 17-21, 2013.
208.	Surfactant Assisted Growth And Studies Of $NiCo_2O_4$ Nanostructures Through Microwave Heating Method	G. Anandha babu, Y. Hayakawa, **G. Ravi**	National Conferences on Recent trends in Advanced Materials	PSG college of Technology, Coimbatore.	Dec 16-17, 2013.
209.	The Solvent Effect On Size And Morphology Of SnO Nanoparticles Via Chemical Co-Precipitation Method	G. Vijayaprasath, Y. Hayakawa, **G. Ravi**	National Conferences on Recent trends in Advanced Materials	PSG college of Technology, Coimbatore.	Dec 16-17, 2013.
210.	Synthesis And Study Of Structural, Morphological And Magnetic Properties Of Nanocrystalline Hausmannite (Mn_3O_4)	T. Shrividhya, T. Mahalingam, Y. Hayakawa, **G. Ravi**	National Conferences on Recent trends in Advanced Materials	PSG college of Technology, Coimbatore.	Dec 16-17, 2013.
211.	Preparation And Characterization OfOrthorhombic MoO_3 Nanostructures By VS Growth Method	R. Senthilkumar, Y. Hayakawa, **G. Ravi**	National Conferences on Recent trends in Advanced Materials	PSG college of Technology, Coimbatore.	Dec 16-17, 2013.
212.	Synthesis And Structural Study Of Graphene Nano Particles And Their Application In Gas Sensing	Kashinath Lellala, R. Murugan, R. Senthil Kumar, Y. Hayakawa, **G. Ravi**	National Conferences on Recent trends in Advanced Materials	PSG college of Technology, Coimbatore.	Dec 16-17, 2013.
213.	Alkali P-Nitrophenolates For Short Wavelength Laser Generation	M. Thangaraj, **G. Ravi**	National Conferences on Recent trends in Advanced Materials	PSG college of Technology, Coimbatore.	Dec 16-17, 2013.
214.	Fabrication Of Electro-Optic Devices Using The Grown Organic And Inorganic Crystals	**G. Ravi**	National Conferences on Recent trends in Advanced Materials	PSG college of Technology, Coimbatore.	Dec 16-17, 2013.

215.	Electro-Optic Devices Using Optical Crystals	**G. Ravi**	Special Lecture at Dept. of Physics	Karunya University, Coimbatore.	Dec. 17, 2013.
216.	Studies On The Optical Data Storage Characteristics Of Lithium Niobate Crystal	**G. Ravi**	Indo-Italian workshop on Molecular Nanophotonics	Anna University, Chennai.	July 24-26, 2013.
217.	Effect Of Mn Precursor Concentration On Physical Properties Of Mn_3O_4 Thin Films Prepared By Chemical Method	T. Shrividhya, A. AmuthaSelvi, T. Mahalingam, **G. Ravi**	National Conference on Advanced Materials and Applications (NCAMA 2013)	Department of Physics, National Institute of Technology, Trichy.	April 4-5, 2013.
218.	Synthesis And Characterization OfCdO Nanoparticles By Co-Precipitation Method	G. Vijayaprasath, P. Parkavi, R. Murugan, **G. Ravi**	National Conference on Advanced Materials and Applications (NCAMA 2013)	Department of Physics, National Institute of Technology, Trichy.	April 4-5, 2013.
219.	Synthesis Of Pure And Mg Doped Nickel Oxide Nanoparticles And Their Characterizations	G. Anandhababu, S. Arockia Sumeetha, **G. Ravi**	National Conference on Advanced Materials and Applications (NCAMA 2013)	Department of Physics, National Institute of Technology, Trichy.	April 4-5, 2013.
220.	A Comparative Study On Pure And Mg Doped ZnO Nanostructured Thin Films	G. Vijayaprasath M.R. Manikandan, M. Arivanandhan, M. Navaneethan, Y. Hayakawa, **G. Ravi**	International Conference on Nanoscience and Nanotechnology (ICONN-2013)	Department of Physics and Nanotechnology, SRM University, Kattankulathur.	March 18-20, 2013.
221.	Preparation And Characterization OfCuO Thin Films By Chemical Method	T.Shrividhya, T.Mahalingam, Y.Hayakawa, **G.Ravi**	International Conference on Nanoscience and Nanotechnology (ICONN-2013)	Department of Physics and Nanotechnology, SRM University, Kattankulathur.	March 18-20, 2013.
222.	Facile Synthesis Of Nickel Oxide Nanoparticles And Their Structural, Optical And Magnetic Properties	G. Anandha babu, M. Arivanandhan, M. Navaneethan, Y. Hayakawa, **G. Ravi**	International Conference on Nanoscience and Nanotechnology (ICONN-2013)	Department of Physics and Nanotechnology, SRM University, Kattankulathur.	March18-20, 2013.
223.	Structural And Morphological Studies Of Zn Doped Tin Oxide Nanocubes Prepared By Precipitation Method	G. Vijayaprasath, R. Murugan, **G. Ravi**	National Seminar on Recent Trends in Crystal Growth & Nanomaterials (NSCGNM-2013)	PG and Research Department of Physics, National College, Trichy.	March 13-15, 2013.
224.	Synthesis Of Nickel Oxide Nanoparticles And Their Structural And Optical Properties	G. Anandha babu, **G. Ravi**	National Seminar on Recent Trends in Crystal Growth & Nanomaterials (NSCGNM-2013)	PG and Research Department of Physics, National College, Trichy.	March 13-15, 2013.
225.	Determination of photoionisation properties of doubly doped stiochemetric lithium niobate crystals	**G. Ravi,** K. Kitamura	National Seminar on Recent Trends in Crystal Growth and Nano Materials (NSCGNM-2013)	PG and Research Department of Physics, National College, Trichy.	March13-15, 2013.
226.	Synthesis And Room Temperature Magnetic Properties Of Cobalt Oxide Nanostructures	G. Anandha babu, **G. Ravi**	National Seminar on technologically Important Crystalline And Amorphous	Department of Physics, Kalasalingam University,	March1-2, 2013.

			solids (TICAS 2013)	Krishnankoil.	
227.	Enhancements Of Saturation Magnetization OfNiO Nanorods Via Microwave Assisted Route	G. Anandha babu, M. Thangaraj, M. Navaneethan, M. Arivanandhan, Y. Hayakawa, **G. Ravi**	International Conference on Recent Trents in Applied Physics & Materials Science (RAM 2013)	Govt. College of Engineering & Technology, Bikaner, Rajasthan, India.	Feb 1-2, 2013.
228.	Electro Optic Properties Of DAST Single Crystal	MR. Manikandan, M. Arivanandhan, Y. Hayakawa, P.K. Gupta, S. Ganesamoorty, **G. Ravi**	International Conference on Recent Trents in Applied Physics & Materials Science (RAM 2013)	Govt. College of Engineering & Technology, Bikaner, Rajasthan, India.	Feb 1-2, 2013.
229.	Effect Of Deposition Time On The Chemical Bath Deposition Method Of ZnOThinfilms	G. Vijayaprasath, M. Arivanandhan, Y. Hayakawa, **G. Ravi**	International Conference on Recent Trents in Applied Physics & Materials Science RAM 2013	Govt. College of Engineering & Technology, Bikaner, Rajasthan, India.	Feb 1-2, 2013.
230.	Ni/ZnS Multilayer Thinfilm Prepared ByChemical Bath Deposition Method.	J. Yuvaloshini, Ra. Shanmugavadivu, **G. Ravi**	International Conference on Recent Trents in Applied Physics & Materials Science (RAM 2013)	Govt. College of Engineering & Technology, Bikaner, Rajasthan, India.	Feb 1-2, 2013.
231.	Structural And Morphological Studies Of Electrochemically DepoitedSnS Thin Films	T. Shrividhya, T. Mahalingam, **G. Ravi**	International Conference on Recent Trents in Applied Physics & Materials Science (RAM 2013)	Govt. College of Engineering & Technology, Bikaner, Rajasthan, India.	Feb 1-2, 2013.
232.	Preparation And Characterization Of Molybdenum Oxide (MoO3) Nanostructures	R. Senthilkumar, **G. Ravi**	Second International Workshop On Advanced Functional Nanomaterials (SIWAN 2013)	Centre for Nanoscience and Technology, Anna University, Chennai.	Jan 28-30, 2013.
233.	Photochromic applications by using doubly doped crystals	**G. Ravi**	International Workshop on Crystal Growth and Characterization of Advanced Materials and Devices	Anna University, Chennai.	Dec 16-19, 2012.
234.	Room Temperature Ethanol Sensing Property Of Cubic Nanostructure Tungsten Oxide (WO_3)	R. Senthilkumar, C. Sanjeeviraja, M. Arivanandhan, Y. Hayakawa, **G. Ravi**	57^{th} DAE Solid State Symposium (DAE)	Indian Institute of Technology, Bombay, India.	Dec 3-7, 2012.
235.	Role Of Co Doping On Structural And Morphological Properties Of SnO Nanoparticle	G. Vijayaprasath, M. Arivanandhan, Y. Hayakawa, **G. Ravi**	57^{th} DAE Solid State Symposium (DAE)	Indian Institute of Technology, Bombay, India.	Dec 3-7, 2012.
236.	Structural And Magnetic Properties Of Co_3O_4 Nanostructures Prepared By Microwave Method	G. Anandha babu M. Thangaraj, **G. Ravi**	82^{nd} Annual Session and National Symposium on Nanoscience and Technology for Mankind (NANOSE-12)	Banaras Hindhu University, Varanasi, India.	Nov 29 -Dec 1, 2012.
237.	Thermoelectric Characteristics Of Compositionally	M. Arivanandhan, M. OmPrakash, R.A. Kumar,	The 14^{th} TakayanagiKenjiro Memorial	Research Institute of ElectronicsHamam	Nov 27-28, 2012.

	Homogeneous $Si_{1-X}Ge_x$ Bulk Crystals	T. Koyama, Y. Momose, A. Tanaka, H. Ikeda, H. Tatsuoka, A. Ishida, S. Bhattacharya, D.K. Aswal, S.M. Babu, Y. Inatomi, Y. Hayakawa, **G. Ravi**	Symposium	atsu, Japan.	
238.	Investigation Of Charge Transfer Process In Co-Doped Stoichiometric Lithium Niobate Single Crystals.	K. Kitamura, M. Arivanandhan, Y. Hayakawa, **G. Ravi**	The 14th TakayanagiKenjiro Memorial Symposium	Research Institute of ElectronicsHamamatsu, Japan.	Nov 27-28, 2012.
239.	Effects Of 2-Methoxy Ethanol On The Structural And Optical Properties Of ZnO Nanoparticles Prepared By Sol-Gel Co-Precipitation Method	C. Karthikeyan, S. Sasikumar, **G. Ravi**, A.S. Haja Hameed	International Symposium On Macro-and Supramolecular Architectures and Materials (MAM-12): Nano Systems and Applications	KSR Group of Institutions Trichengode, India.	Nov 21-25, 2012.
240.	Synthesis And Characterization Of Ni Doped ZnS Nanoparticles	J. Yuvaloshini, Ra. Shanmugavadivu, **G. Ravi**	International Symposium On Macro-and Supramolecular Architectures and Materials (MAM-12): Nano Systems and Applications	KSR Group of Institutions, Trichengode, India.	Nov 21-25, 2012.
241.	Structural And Spectroscopic Study Of Mn_3O_4 Films Prepared By Double Dip Method	T. Shrividhya, T. Mahalingam, **G. Ravi**	International Symposium On Macro-and Supramolecular Architectures and Materials (MAM-12): Nano Systems and Applications	KSR Group of Institutions, Trichengode, India.	Nov 21-25, 2012.
242.	Growth And Characterization Of Nanostructured CdSThinfilms By Dip Coating	G. Vijayaprasath, MR. Manikandan, **G. Ravi**	International Symposium On Macro-and Supramolecular Architectures and Materials (MAM-12): Nano Systems and Applications	KSR Group of Institutions, Trichengode, India.	Nov 21-25, 2012.
243.	Structural And Properties Of Co_3O_4 Nanostructures Prepared By Microwave Method	G. Anandha babu, M. Arivanandhan, Y. Hayakawa, **G. Ravi**	International Symposium On Macro-and Supramolecular Architectures and Materials (MAM-12): Nano Systems and Applications	KSR Group of Institutions, Trichengode, India.	Nov 21-25, 2012.

244.	Microwave Synthesis And Characterization Of Undoped And Co Doped NiO Nanostructures	G. Anandha babu S. Vinodhini, M. Thangaraj, **G. Ravi**	International Symposium On Macro-and Supramolecular Architectures and Materials (MAM-12): Nano Systems and Applications	KSR Group of Institutions, Trichengode, India.	Nov 21-25, 2012.
245.	Metal oxide thin films for gas sensors	**G. Ravi**	1st International Conference on Emerging Advanced Nanomaterials	Hotel Mercure, Brisbane, Australia.	Oct 22-25, 2012.
246.	Structural, Optical, Morphological And Compositional Studies Of Chemically Prepared Hausmannite Thin Films	T. Shrividhya, T. Mahalingam, Y. Hayakawa, **G. Ravi**	International conference on Thin Films and Applications (ICEAN-2012)	University of Queensland, Australia.	Oct 22-25, 2012.
247.	Investigation Of Synthesis And Characterization Of Cobalt Doped Tin Oxide Nanoparticle	G. Vijayaprasath, MR. Manikandan, Y. Hayakawa, **G. Ravi**	International conference on Thin Films and Applications (ICEAN-2012)	University of Queensland, Australia.	Oct 22-25, 2012.
248.	Synthesis Of Flower Shaped NioNanostructuresFor Their Improved Structural, Optical And Magnetic Properties	G. Anandha babu, M. Arivanandhan, A. Vinu, Y. Hayakawa, **G. Ravi**	International conference on Thin Films and Applications (ICEAN-2012)	University of Queensland, Australia.	Oct 22-25, 2012.
249.	Determination Of Gas Sensing Properties Of Thermally Evaporated WO_3 Nanostructures	R. Senthilkumar, C. Sanjeeviraja, M. Arivanandhan, Y. Hayakawa, A. Vinu, **G. Ravi**	International conference on Thin Films and Applications (ICEAN-2012)	University of Queensland, Australia.	Oct 22-25, 2012.
250.	Influence of Mn:SLN single crystals for memory devices.	**G. Ravi**	Workshop on Preparation Characterization of Crystalline Materials and their Applications (WPCCMA-2012)	Department of Physics, Anna University.	July 16-17, 2012.
251.	Influences Of Time Intervals During CdS Thin Film Deposition	A. Rafikraja, S. Barathan, C. Sanjeeviraja, G. Sivakumar, B. Revathi, N. Anandhan, **G. Ravi**	National conference on materials for energy and environment (NCMEE-2012)	Chendu college of engineering and technology, Kancheepuram.	April 6, 2012.
252.	An Effect Of Complexing Agents In CuSnS Thin Films At Constant Bath Temperature	B. Revathi, G. Sivakumar, S. Barathan, C. Sanjeeviraja, A. Rafikraja **G. Ravi**	National conference on materials for energy and environment (NCMEE-2012)	Chendu college of engineering and technology, Kancheepuram.	April 6, 2012.
253.	Synthesis And Characterization Of Microwave Assisted NiO Nanoparticle	G. Anandha babu, M. Thangaraj, MR. Manikandan, **G. Ravi**,	International conference on thin films and applications (ICTFA-2012)	Sastra University, Thanjavur.	March 15-17, 2012.
254.	Formation Of Nano	R. Senthilkumar,	National conference	Alagappa	March

	Structure WO_3 Thin Films And It's Characterization	C. Sanjeeviraja, **G. Ravi**	on recent advancements in nanomaterials for sensor applications (NANOSE-12)	University, Karaikudi.	8-9, 2012.
255.	Characterization OfMn_3O_4 Thin Film By SILAR Method For Supercapacitor Application	T. Shrividhya, C. Annapoorani, **G. Ravi**	National conference on recent advancements in nanomaterials for sensor applications (NANOSE-12)	Alagappa University, Karaikudi.	March 8-9, 2012.
256.	Preparation And Characterization OfSnO Nano Particle By Chemical Co Precipitation Method	G. Vijayaprasath, R. Murugan, **G. Ravi**	National conference on recent advancements in nanomaterials for sensor applications (NANOSE-12	Alagappa University, Karaikudi.	March 8-9, 2012.
257.	Synthesis And Characterization OfNiO Nanoparticle By Co-Precipitation Method	G. Anandha babu, M. Thangaraj, **G. Ravi**	National conference on recent advancements in nanomaterials for sensor applications (NANOSE-12)	Alagappa University, Karaikudi.	March 8-9, 2012.
258.	Spectroscopic studies on charge transfer complex addict of thirethanol amine with picric acid – an organic non linear optics material	M.R. Mani Kandan, T. Mahalingam, **G. Ravi**	International Conference on Recent Trends in Advanced materials (ICRAM-2012)	VIT University, Tamilnadu.	Feb 20-22 2012.
259.	Growth of optical quality 4-dimethyl amino- N-methyl-4 stlibazoliumtosylate (DAST) single crystals by novel technique and their characterization	M.R. Mani Kandan, S.D. Gopal Ram, **G. Ravi**	International Conference on Recent Trends in Advanced materials (ICRAM-2012)	VIT University, Tamilnadu.	Feb 20-22 2012.
260.	Synthesis And Characterization Of Ferroelectric And Electro Optical Single Crystals	**G. Ravi**	One day national seminar on recent trends in functional materials	Department of physics, Ultra college of engineering and technology for women, Madurai.	Feb 17, 2012.
261.	Growth and Characterization of niobate single crystals	**G. Ravi**	International workshop on advanced energy materials (IWAEM-2012)	Alagappa university.	Feb 9-10, 2012.
262.	Growth And characterization of semi organic non linear optical crystal: glycin zinc chloride	M.R. Mani Kandan, T. Mahalingam, **G. Ravi**	Internation conference on advanced materials ICAM-2012	Dept of physics, Loyola college.	Jan 05-07, 2012.
263.	Optical properties of ZnS/MnS superlattices thin flims for solar energy applications	J. Yuvaloshini, **G. Ravi,** K. Visalakshi, G. Ananda babu, M.R. Manikandan	Internation conference on advanced materials ICAM-2012	Dept of physics, Loyola college.	Jan 05-07, 2012.

264.	Studies On The Optical Data Storage Characteristics Using Lithium Niobate Single Crystals	**G. Ravi**	International conference on advanced materials (ICAM-11)	Department of Physics, PSG college of Technology, Coimbatore.	Dec 12-16, 2011.
265.	Structural, Functional, Optical and Thermal studies on gel grown alpha glycine	MR. Manikandan, S. Mayilsundari, T. Mahalingam, **G. Ravi**	XV National Seminar on Crystal growth	PSN College for Engineering and Technology, Tirunelveli.	Feb 23-25, 2011.
266.	Growth and characterisation of sodium oxalate crystal by gel method	MR. Manikandan, C. Priya, T. Mahalingam, **G. Ravi**	XV National Seminar on Crystal growth	PSN College for Engineering and Technology, Tirunelveli.	Feb 23-25, 2011.
267.	Growth and characterisation of Zinc Cadmium thiocynate single crystal	G. Vijayaprasath, MR. Manikandan, T. Mahalingam, **G. Ravi**	XV National Seminar on Crystal growth	PSN College for Engineering and Technology, Tirunelveli.	Feb 23-25, 2011.
268.	Heat treatement effects on Cadmium Oxide thin films	T. Mahalingam, V. Dhana sekaran, S. Thaniaikarasan, M. Sangeetha Vidhaya, **G. Ravi**	XV National Seminar on Crystal growth	PSN College for Engineering and Technology, Tirunelveli.	Feb 23-25, 2011.
269.	Micro structural evolution on chemically deposited CdS thin films	T. Mahalingam, V. Dhana sekaran, S. Thaniaikarasan, K. Sathish Kumar, **G. Ravi**	XV National Seminar on Crystal growth	PSN College for Engineering and Technology, Tirunelveli.	Feb 23-25, 2011.
270.	Structural, Morphological and Optical properties of electro deposited ZnTethinfilms	V. Dhanasekaran, **G. Ravi,** S. Thani kaikarasan, T. Sasikuamar, T. Mahalingam	XV National Seminar on Crystal growth	PSN College for Engineering and Technology, Tirunelveli.	Feb 23-25, 2011.
271.	Characterisation of electrolytically synthesized $Cd_xSn_{1-x}Se$ thin films	V. Dhanasekaran, R. Chandra mohan, S. Thani kaikarasan, P. Joycee, **G. Ravi,** T. Mahalingam	XV National Seminar on Crystal growth	PSN College for Engineering and Technology, Tirunelveli.	Feb 23-25, 2011.
272.	Growth and characterisation of glycine in the presence of nitric acid	MR. Manikandan, U. Ashokan, **G. Ravi**	XV National Seminar on Crystal growth	PSN College for Engineering and Technology, Tirunelveli.	Feb 23-25, 2011.
273.	Growth and Characterization of single crystals for device applications	**G. Ravi**	International Workshop on advanced functional Nanomaterials (IWAFN-2011)	Centre for nanoscience and technology, Anna University.	Feb 21-24, 2011.
274.	Optical Multiplexing In SLN Crystals	**G. Ravi**	National seminar on Advances in smart materials for opto electronic applications	St.Xavier's College Palayamkottai, Tirunelveli, India.	Jan 20-21, 2011.
275.	Hydrothermal Prepartation of different Zinc oxide nanostructures by altering the alkali with zinc nitrate	**G. Ravi**	International Conference on Nanomaterials and Nanotechnology (NANO-2010)	K.S. Rangasamy College of Technology, Tamilnadu.	Dec 13-16, 2010.

276.	Applications of crystals	**G. Ravi**	International conference on advancement of Nano science and nanotechnology (ICOANN -2010)	Department of Nanoscience and nanotechnology, Alagappa university Karaikudi.	2010.
277.	Improving Storage Properties By Altering Photo-Refractive Characteristics Of Mn-SLN Crystal	**G. Ravi**	One day conference on Nano materials	Cinvestav, Mexico.	Aug 13, 2010.
278.	The Determination of Photochromic behavior in doubly doped stoichiometric lithium niobate single crystals	**G. Ravi**	One day conference on Nano materials	Dept. of Electrical Eng., Cinvestav, Mexico.	Aug 12-14, 2010.
279.	The Determination photochromic behaviour in doubly doped stoichiometric lithium niobate single crystals	**G. Ravi,** S.D. Gopal Ram, K. Kitamura, T. Mahalingam, S. Velumani	XIX Interinatinal Materials Research Congress	Cancun, Mexico.	Aug 15-19, 2010
280.	Spectroscopic and dielectric studies on DAST single crystal	S. Sankar, M.Nithya, M.R. Manikandan, S.D. Gopal Ram, T. Mahalingam, **G. Ravi**	National conference on recent trends in advanced energy materials	Alagappa University.	March 10-11, 2010.
281.	Growth and characterization of TGSP crystals by gel method	S. Sankar, M.Anbuarasi, M.R. Manikandan, S.D Gopal Ram, **G. Ravi**	National conference oin recent trends in advanced energy materials	Alagappa University.	March 10-11, 2010.
282.	Role of various amines in the micro wave treated rapid hydrothermal growth of ZnO nano structures	S.D. Gopal Ram, **G. Ravi,** Anbu Kulandainathan	14th National seminar crystal growth	VIT university, vellore.	March 10-12, 2010.
283.	Study of photochromic effect in doped and codoped SLN crystal	**G. Ravi**	14th National seminar crystal growth	VIT university, vellore.	March 10-12, 2010.
284.	A Comparative study on the growth and characterization of α and γ- glycine single crystals from the solution and gel	S. Sankar, S.D. Gopal Ram, MR. Manikandan, **G. Ravi**	14th National seminar crystal growth	VIT university, vellore.	March 10-12, 2010.
285.	Growth of DAST crystals using new solvent and its characterisation	MR. Manikandan, S. Sankar, S.D. Gopal Ram, **G. Ravi**	14th National seminar crystal growth	VIT university, vellore.	March 10-12, 2010.
286.	Study on the effect of ionic strength in the solution of the shape of nano ZnO developed by hydrothermal method	S.D. Gopal Ram, **G. Ravi,** M.Anbu kulandainathan	14th National seminar crystal growth	VIT university, vellore.	March 10-12, 2010.
287.	Growth And Characterization Of TGS And TGSP Crystals In Gel Medium	S. Sankar, S.D. Gopal Ram, MR. Manikandan, **G. Ravi**	National conference on materials: nano to macro dimensionality and their varied applications	Department of Chemistry, M.S University, Tirunelveli .	Jan 28-29, 2010.

288.	Gel Growth Of α And γ Glycine Polymorphs And Their Characterization	S. Sankar, S.D. Gopal Ram, MR. Manikandan, **G. Ravi**	National conference on materials: nano to macro dimensionality and their varied applications	Department of Chemistry, M.S University, Tirunelveli .	Jan 28-29, 2010.
289.	Crystal Growth Of Organic Non-Linear 4-N, N-Dimethyl amino-N-Methyl -4-Stilbazolium Tosylate (Dast) By Slow Evaporation Method.	MR. Manikandan S. Sankar, S.D. Gopal Ram, **G. Ravi**	National conference on materials: nano to macro dimensionality and their varied applications	Department of Chemistry, M.S University, Tirunelveli .	Jan 28-29, 2010.
290.	Synthesis, Crystal Growth And Characterization Of 4-N, N-Dimethylamino-N-Methyl -4-Stilbazolium Tosylate (Dast) Crystals	S. Sankar, MR. Manikandan, S.D. Gopal Ram, **G. Ravi**	Recent trends in crystal growth, thin films and nanostructured materials (CRYSTAL – NANO-O9)	Department of Physics, Aditanar college of Arts Science and Science, Triruchendur.	Aug 5-6, 2009.
291.	Short Time And Low Temperature Mineralization Of ZnO Nanorod-Bunches From Solution Using Cetyl Trimethyl Ammonium Bromide	S.D. Gopal Ram, **G. Ravi**	Recent trends in crystal growth, thin films and nanostructured materials (CRYSTAL – NANO-O9)	Department of Physics, Aditanar college of Arts Science and Science, Triruchendur.	Aug 5-6 2009.
292.	Growth Of Promising Photo-Refractive Crystal (MnSLN) And Its Characterization	**G. Ravi**	Recent trends in crystal growth, thin films and nano-structured materials, CRYSTAL-NANO-2009.	Department of Physics, Aditanar college of Arts Science and Science, Triruchendur.	Aug 5-6, 2009.
293.	Hydrothermal Synthesis And Analysis Of Zinc Oxide Nanostructures	S.D. Gopal Ram, M. Anbu Kulandainathan, **G. Ravi**	International Conference on Materials Science Research and Nanotechnology (ICMSRN – 2008)	Mother Teresa Women's University, Kodaikanal.	Feb 27-29, 2008.
294.	Growth of Amino acid and metal doped crystals of triglycine phosphate by gel grown method and their characterization	**G. Ravi**	International Conference on Materials Science Research and Nanotechnology (ICMSRN – 2008)	Mother Teresa Women's University, Kodaikanal.	Feb 27-29, 2008.
295.	Synthesis, growth and characterization of fluorine and kcl mixed LAP crystals	**G. Ravi**	International Conference on Materials Science Research and Nanotechnology (ICMSRN – 2008)	Mother Teresa Women's University, Kodaikanal.	Feb 27-29, 2008.
296.	Growth of pure and amino acid doped triglycine phosphate	**G. Ravi**	International Conference on Materials Science Research and Nanotechnology (ICMSRN – 2008)	Mother Teresa Women's University, Kodaikanal.	Feb 27-29, 2008.
297.	A Comparative Study On	S. Sankar,	International	Department of	Nov 15-

	The Growth And Characterization Of TriglycinePhosphate, Triglycine Nitrate Single Crystals By Solutions And Gel Growth Methods	S. Gayathri, S.D. Gopal Ram, **G. Ravi**	Conference on Advanced Materials and Applications (ICAMA – 2008)	Physics, Shivaji University, Kolhapur. Maharashtra.	17, 2007.
298.	Effect Of Doping Of SLN On The Photochromic Behaviour	S.D.Gopal Ram, M. Lee, K. Kitamura, **G. Ravi**	International Conference on Advanced Materials and Applications (ICAMA – 2008)	Department of Physics, Shivaji University, Kolhapur. Maharashtra.	Nov 15-17, 2007.
299.	Studies On Thin Films OfMna-Pmma Guest-Host Configuration	A. Nixon Azariah, R. Shanmugavadivu, **G. Ravi**	XXX Indian social science congress	Alagappa University, Karaikudi.	Dec 27-31, 2006.
300.	On The Study Of Growth And Optical Characteristics Of Mn Doped Near Stoichiometric Lithium Niobate Crystals	S. Ganesamoorthy, K. Kitamura, **G. Ravi**	XXX Indian social science congress	Alagappa University, Karaikudi.	Dec 27-31, 2006.
301.	Comparative Study Of Lithium Niobate Crystals Grown From Different Li Concentrated Solutions	S.D. Gopalram, SP. Prabhu, **G. Ravi**	XIVth National Seminar on Ferroelectrics and Dielectrics	IIT, Kharagpur	Dec 18-21, 2006.
302.	Devices from Crystals	**G. Ravi**	National Symposium On Crystals Growth And Characterization	Loyola College, Chennai, India	Sept 29-30, 2005.
303.	Synthesis And Characterization Of NLO Organo Metallic Thiocyanate	Ra. Shanmugavadivu, A. Nixon Azariah, X.Q. Wang, **G. Ravi**	3rd Asian conference on crystal growth and crystal technology (CGCT-3)	Beijing, China.	Oct 16-19, 2005.
304.	Growth And Characterization Of A New NLO Material Potassium Boro Oxalate	Ra. Shanmugavadivu, A. Nixon Azariah, X.Q. Wang, **G. Ravi**	3rd Asian conference on crystal growth and crystal technology (CGCT-3)	Beijing, China.	Oct 16-19, 2005.
305.	Effect OfUvIrriadiationAnd Heat Treatment Of Doubly Doped Stoichiometric Lithium NiobateMnfesln.	K. Kitamura, S. Takekawa, M. Nakamura, Y. Liu, M. Lee, **G. Ravi**	3rd Asian conference on crystal growth and crystal technology (CGCT-3)	Beijing, China.	Oct 16-19, 2005.
306.	Role Of Chlorine Substitution And Growth Properties Of Benzylidene Aniline Derivative: Nmoba	A. NixonAzariah, Ra. Shanmugavadivu, M. Noel, **G. Ravi**	3rd Asian conference on crystal growth and crystal technology (CGCT-3)	Beijing, China.	Oct 16-19, 2005.
307.	Growth And Characterisation Of Mn Doped AndMn:TbCodoped Stoichiometric Lithium Niobate Crystals	K. Kitamura, R. Mohankumar, S. Takekawa, M. Nakamura, Y. Liu, **G. Ravi**	3rd Asian conference on crystal growth and crystal technology (CGCT-3)	Beijing, China.	Oct 16-19, 2005.
308.	The Role Of Mn And Fe In Photochromic Mechanism Of Near SLN	Kitamura. K, Takekawa. S, Nakamura. M, Liu. Y,	Indo-Japan workshop on Crystal Growth and applications of Advanced Materials	Anna University, Chennai, India.	Dec 2004.

		Hatano. H, Lee. M, **G. Ravi**	for Opto Electronics		
309.	The Role Of Mn And Fe In Photochromic Mechanism Of Near SLN	**G. Ravi**	Indo-Japan Workshop On Crystal Growth And Applications Of Advanced Materials For Opto Electronics	Anna University, Chennai, India.	Dec 2004.
310.	Evaluation Of TheTi Diffusion Process During The Fabrication Of Ti Doped Near Stoichiometric Lithium Niobate Waveguides	R. Mohankumar, S. Takekawa, M. Nakamura, K. Kitamura, **G. Ravi**	49th symposium on Synthetic crystals	Tsukuba, Japan.	Aug 2004.
311.	The Charge Transfer Mechanism In Doubly Doped Stoichiometric Lithium Niobate Single Crystals.	Kitamura. K, Takekawa. S, Nakamura. M, Liu. Y, Lee. M, **G. Ravi**	8th International symposium on Ferroic domains (ISFD-8)	Tsukuba, Japan.	Aug 2004.
312.	Mn Doped Near SLN Crystals Grown FromDifferent Li Concentrated Solution	Kitamura. K, Takekawa. S, Nakamura. M, Liu. Y, Hatano. H, **G. Ravi**	14th International conference on crystal growth (ICCG-14)	Grenoble, France.	Aug 2004.
313.	Fundametals Of Crystal Growth: Theory And Experiment	S. Sankar, S. Vasudevan, Ra. Shanmugavadivu , A. Nixon Azariah, **G. Ravi**	14th International conference on crystal growth (ICCG-14)	Grenoble, France.	Aug 2004.
314.	The Photochromic Effect On Doubly Doped Near Stoichiometric LithiumNiobate Crystals	K. Kitamura, Y. Liu, S. Takekawa, M. Nakamura, H. Hatano, **G. Ravi**	14th International conference on crystal growth (ICCG-14)	Grenoble, France.	Aug 2004.
315.	Studies On Amino Acid Admixtured Triglycine Sulphophosphate (Tgsp) Crystals	A.S. Haja Hameed, C.W. Lan, **G. Ravi**	14th International conference on crystal growth (ICCG-14)	Grenoble, France.	Aug 2004.
316.	Growth And Characterization Of L-Arginine Fluro Phosphate- A New Additive For Hindering Microbes	Ra. Shanmugavadivu, R. Jayavel, R. Mohankumar, A. Nixon Azariah **G. Ravi**	14th International conference on crystal growth (ICCG-14)	Grenoble, France.	Aug 2004.
317.	Crystal Growth And Characterization Of A New Nonlinear Optical Material: Glycine Potassium Sulphate	Ra. Shanmugavadivu, R. Jayavel, R. Mohankumar, A. Nixon Azariah, **G. Ravi**	14th International conference on crystal growth (ICCG-14)	Grenoble, France.	Aug 2004.
318.	Growth And Switching Characteristics Of Ferroelectric Pure And Mn Doped Near SLN Crystals	Ganesamoorthy, S. Takekawa, M. Nakamura, K. Kitamura, **G. Ravi**	4th Asian Meeting On Ferroelectrics (Amf-4)	Bangalore, India.	Dec 2003.
319.	Effect Of	R. Mohankumar,	2nd Asian	Seoul,	Aug 2003.

	Ethylenediamine Tetra Acetic Acid Additive On The Nucleation Kinetics And Growth Aspects Of L-Arginine Phosphate Single Crystals.	D. RajanBabu, R. Jayavel, **G. Ravi**	Conference on Crystal Growth and Crystal Technology,	Korea.	
320.	Studies On The Growth Aspects Of Non-Linear Optical Mn:SLN And Mn:Tb:SLN Single Crystals And Their Characterization	Kitamura. K, Takekawa. S, Nakamura. M, Kumaragurubaran. S, Jayavel. R, **G. Ravi**	15thAmerican Conference on Crystal Growth and Epitaxy (ACCGE-15)	Colorado, USA.	July 2003.
321.	Studies On The Crystal Growth Aspects Of Efficient Optical Data Storage Material: Mn Doped Near-Stoichiometric Lithium Niobate	K. Kitamura, S. Takekawa, M. Nakamura, Y.Liu, H. Hatano, **G. Ravi**	The European Materials Research Society (E-MRS-2003)	Strasbourg, France.	June 2003.
322.	Effect Of Annealing Treatment On Two-Color Holographic Storage Performance In Mn Doped Near Stoichiometric $Linbo_3$ Crystals	K. Kitamura, Y. Liu, S. Takekawa, M. Nakamura, H.Hatano, **G. Ravi**	Ninth International Conference On Photo refractive Effects, Materials AndDevices	Strasburg, France.	June 2003.
323.	Preparation Of Promising Photo-Refractive Crystal (Mn:SLN) And Its Characterization	Kitamura. K, Takekawa. S, Nakamura. M, Liu. Y Jayavel. R **G. Ravi**	1st NIMS Inter. Conf. on Mat. Solutions for Photonics	Tsukuba, Japan.	March 2003.
324.	Two-Colour Photo Refractive Holography In Mn-Doped Near Stoichiometric LithiumNiobate Crystals	Y. Liu, K. Kitamura, S. Takekawa, M. Nakamura, H. Hatano, T. Yamaji, **G. Ravi**	International conference on SPIE Advanced Optical Data Storage Technology	Shanghai, China.	Oct 2002.
325.	Effect Of Niobium Substitution In Stoichiometric Lithium Tantalate(SLT) Single Crystal	Jayavel. R, Takekawa. S, Nakamura. M, Kitamura. K, **G. Ravi**	14th American Conference on Crystal Growth and Epitaxy (ACCGE-14)	Washington, USA.	Aug 2002.
326.	Effect Of Rhodium Doping On The Growth And Characteristics Of Batio3 Single Crystals Grown By Step-Cooling Method	S. Madeswaran, N.V. Giridharan, R. Varatharajan R. Jayavel , **G. Ravi**	14th American Conference on Crystal Growth and Epitaxy (ACCGE-14)	Washington, USA.	Aug 2002.
327.	Growth Aspects Of Semi-Organic Nonlinear Optical L-Arginine Tetrafluoroborate Single Crystals.	D.Rajan Babu, D.Jayaraman, R.Mohankumar R.Jayavel, **G. Ravi**	14th American Conference on Crystal Growth and Epitaxy (ACCGE-14)	Washington, USA.	Aug 2002.
328.	Nucleation Kinetics, Growth And	A.S.Haja Hameed, R.Jayavel,	14th American Conference on	Washington, USA.	Aug 2002.

	Characterization Of Dlap, Dlap:Kf And Dlap:Nan_3 Crystals	P.Ramasamy, **G. Ravi**	Crystal Growth and Epitaxy (ACCGE-14)		
329.	Growth And Characterization Of 4-Dimethylamino-N-Methyl-4-StilbazoliumTosylate (DAST) Single Crystals	R. Mohankumar, D. Rajan Babu, R. Jayavel, **G. Ravi**	14th American Conference on Crystal Growth and Epitaxy 14)	Washington, USA.	Aug 2002.
330.	Solvent Effects On The Solubility And Nucleation Of 4-Nitro-4'-Methoxy Benzylidene Aniline	Nixon Azariah, A. S. Haja Hameed, M. B. Jessie Raj, M. Noel, P. Ramasamy, **G. Ravi**	The Thirteenth International Conference on Crystal Growth,	Doshisha University, Kyoto, Japan.	Jul 30– Aug 4, 2001.
331.	Growth Of Orthorhombic LAP2 Single Crystals And Its Characterization	A. S. Haja Hameed, R. Ilango, P. Ramasamy, **G. Ravi**	The Thirteenth International Conference on Crystal Growth	Doshisha University, Kyoto, Japan.	Jul 30– Aug 4, 2001.
332.	Growth And Characterization Of Deuterated Analog Of L-Arginine Phosphate Single Crystals	A.S. Haja Hameed, A. Nixon Azariah, P. Ramasamy, **G. Ravi**	The Thirteenth International Conference on Crystal Growth,	Doshisha University, Kyoto, Japan.	Jul 30– Aug 4, 2001.
333.	Concentration Profile Surfaces And Contour Studies Of Gap By Liquid Phase Epitaxy	Md. M. Hossain, R. Ilangovan, **G. Ravi**	The Thirteenth International Conference on Crystal Growth,	Doshisha University, Kyoto, Japan.	Jul 30– Aug 4, 2001.
334.	Growth Of 4-N, N-Dimethyl Amino-N'-Methyl-4'-Stilbazolium Tosylate (DAST) In Straight Chain Alcohols And Their Characterization Studies	A. Nixon Azariah, A. S. Haja Hameed, T.Gurumurthi, P.Ramasamy, **G. Ravi**	International Conference on Photo-responsive Organics and Polymers (ICPOP01)	Cheju island, S.Korea.	Aug 2001.
335.	Growth, Structural, Thermal And Optical Studies Of Deuterated L- Arginine Sulpho Phosphate (DLASP) Single Crystals	A. S. Haja Hameed, A. Nixon Azariah, P. Ramasamy, **G. Ravi**	National seminar of current trends in Materials Science-2000,	Mahatma Gandhi University, Kottayam.	Mar 23-24, 2001.
336.	Effect Of L-Lysine On The Solution Stability, Growth And Characterization Of Triglycine Sulphate Single Crystals	S. Arunmozhi Packiaseeli, S. Sankar, A. S. HajaHameed, P. Ramasamy, **G. Ravi**	National seminar of current trends in Materials Science-2000,	Mahatma Gandhi University, Kottayam.	March 23-24, 2001.
337.	Growth And Characterization Of New NLO Material:4-Nitro-4'methoxy Benzylidene Aniline(NMOBA)	A. Nixon Azariah, A. S. Haja Hameed, M.B. Jessie Raj, S.Thangavelu, P. Ramasamy, **G. Ravi**	International Workshop on Preparation and Characterization of Technologically Important Single Crystals	National Physical Laboratory, Delhi.	Feb 26-28, 2001.
338.	Growth, Structural, Thermal And Optical Studies Of	A. S. Haja Hameed, A. Nixon Azariah, P. Ramasamy,	International Workshop on Preparation and	National Physical Laboratory, Delhi.	Feb 26-28, 2001.

	Deuterated L- Arginine Phosphate(Dlap) Single Crystals	**G. Ravi**	Characterization of Technologically Important Single Crystals		
339.	Growth And Characterization Of Metals Doped Triglycine Sulphate Mixed With L-Alanine (ATGS) Single Crystals	A. S. Haja Hameed, A. Nixon Azariah, P. Ramasamy, **G. Ravi**	XI National Seminar on Ferroelectrics and Dielectrics	University of Jammu, Jammu.	Nov 1-3, 2000.
340.	Growth, Structural, Optical And Thermal Characterization Of L-Arginine Fluoride Single Crystals	A. S. Haja Hameed, P. Ramasamy, **G. Ravi**	XXX National Seminar on Crystallography	Sri VengatesvaraUniversity, Tirupathi.	June 28–30, 2000.
341.	Inhibition Of Microbial Growth, Solution Stability, Growth And Characterization Of Potassium Fluoride Mixed L-Arginine Phosphate Singe Crystals	A. S. Haja Hameed, P. Ramasamy, **G. Ravi**	First Asian Conference On Crystal Growth And Crystal Technology	Sendai, Japan.	Aug 29-sep1, 2000.
342.	Growth, Solution Stability And Surface Analysis Of Organic Indole- 3-Aldehyde Single Crystals	A. S. Haja Hameed, A. Nixon Azariah, P. Ramasamy, **G. Ravi**	First Asian Conference OnCrystal Growth And Crystal Technology	Sendai, Japan.	Aug. 29-Sep1, 2000.
343.	Crystal Growth And Characterization Of NLO Material:4-Nitro- 4'methoxy Benzylidene Aniline(NMOBA)	A. Nixon Azariah, A. S. Haja Hameed, M. B. JessieRaj, S. Thankavelu, P. Ramasamy, **G. Ravi**	Twelfth American Conference on Crystal Growth and Epitaxy	Colorado, USA.	Aug 13–18, 2000.
344.	Growth AndCharaterization Of L-Arginine Fluoride Single Crystals	A.S. Haja Hameed, Azariah, P.Ramasamy, **G. Ravi**	Twelfth American Conference on Crystal Growth and Epitaxy	Colorado, USA.	Aug 13–18, 2000.
345.	Metastable Zone Width, Etching And SEM Studies Of Organic Indole-3-Aldehyde Single Crystals	A.S. Haja Hameed, F. Sabeena, P. Ramasamy, **G. Ravi**	Symposium on Crystal Growth of Laser related materials	Crystal Growth Centre, Anna University, Chennai.	Aug 7-6, 2000.
346.	Characterization Of Organic Indole-3-Aldehyde Single Crystals	A. S. Haja Hameed, R. Dhanasekaran, P. Ramasamy, **G. Ravi**	National Laser Symposium	School of Physics, University of Hydrabad.	December 15-17, 1999.
347.	Two Dimensional Theoretical Approach To The $Inas_xp_{1-X}$ Growth: Numerical Simulation Technique	M D. M. Hossain, R. Dhanasekaran, P. Ramasamy, **G. Ravi**	National Seminar on Recent trends in Materials Science	Alagappa University, Karaikudi.	May 3 1999.
348.	Growth And Characterization Of Tetragonal Deuterated Potassium Dihydrogen Phosphate(DKDP)	A. S. Haja Hameed, M D. M. Hossain, P. Ramasamy, **G. Ravi**	National Seminar on Recent trends in Materials Science	Alagappa University, Karaikudi	May 3 1999.

	Crystals: Potentially Applicable To Electro Optic Modulators				
349.	Theoretical Approach To The $Inas_xp_{1-X}$ LPE Growth By Numerical Simulation Technique	Md. Hossain, R. Dhanasekaran, **G. Ravi**	International Conference On Material Science	BangaladeshUniverisity for Engineering and Technology.	Oct 1999.
350.	Growth Of Organic, Inorganic And Ferroelectric Crystals	A. S. Haja Hameed, R. Dhanasekaran, P. Ramasamy, **G. Ravi**	International Conference On Material Science	BangaladeshUniverisity for Engineering and Technology.	Oct 1999.
351.	Growth And Characterization Of Alkali Halides Mixed L-Arginine Phosphate Single Crystals	A. S. Haja Hameed, P. Ramasamy, **G. Ravi**	8th National Seminar on Crystal Growth	Anna university, Madras.	Feb 2-4, 1999
352.	Growth And Characterisation Of Pure And Doped L-Arginine Sulpho-Phosphate Monohydrate	A.S.Haja Hameed, P.Ramasamy, **G. Ravi**	86th Indian Science Congress,	Chennai	Jan 3-7, 1999.
353.	Growth And Properties Of Amino Acids Mixed Triglycine Sulpho Phosphate Single Crystals	A. S. Haja Hameed, P. Ramasamy, **G. Ravi**	Seventh National Science Tamil Conference	MononmaniumSundaranar University, Alwarkuruchi, Thiruvelvali.	Dec. 26-27, 1998.
354.	Effect Of Metallic Dopants On Triglycine Sulpho-Phosphate Single Crystals	A. S. Haja Hameed, P. Ramasamy, **G. Ravi**	Xth National Seminar on Ferroelectrics and Dielectrics	IIT Madras.	Dec 16-18, 1998.
355.	Studies On L-Arginine Phosphate And Its Family Of Crystals	A. S. Haja Hameed, P. Ramasamy, **G. Ravi**	The 5th International Conference on Materials Research Society(IUMRS)	Bangalore.	Oct 13-16, 1998.
356.	Growth AndCharacterisation Of Potentially Applicable Non-Linear Crystals	A. S. Haja Hameed, P. Ramasamy, **G. Ravi**	12^{th} International Conference on Crystal Growth	Israel.	Jul 26-31, 1998.
357.	Study Of Improving Material Purity For The Growth Of Device QualityKdp Crystals	A. S. Haja Hameed, P. Ramasamy, **G. Ravi**	National Seminar on Material Science : An Indian Scene	Trichy.	Jan 19-20, 1998.
358.	Growth And Surface Analysis Of Device Quality Non-Linear Crystals	A. S. Haja Hameed, P. Ramasamy, **G. Ravi**	XXI National Conference of the Electron Microscope Society of India	Trivandrum.	Dec 17-19, 1997.
359.	Studies On The Growth Of Kdp And Dkdp Crystals For Electro-Optic Applications	K. Srinivasan, S. Anbukumar, P. Ramasamy, **G. Ravi**	11^{th}International Conference on Crystal Growth	Netherlands.	Jun 18-23, 1995.
360.	Growth Of Deuterated Kdp Crystals And Their Characterization	K. Srinivasan, S. Anbukumar, P. Ramasamy,	VIII National seminar on ferroelectrics and dielectrics	Nagpur.	Oct 22-24, 1994.

		G. Ravi			
361.	Ferroelectric Studies On Pure And Doped Tgs Type Crystals	G. Arunmozhi, S. Aravazhi, S. Anbukumar, P. Ramasamy, **G. Ravi**	IX International symposium of the application of Ferroelectrics	Pennsylvania State University, USA.	Aug 7-10, 1994.
362.	Dielectric Studies On Amino Acid Mixed Tgs Crystals	G. Arunmozhi, S. Aravazhi, S. Anbukumar, P. Ramasamy, **G. Ravi**	IX International symposium of the application of Ferroelectrics	Pennsylvania State University, USA.	Aug 7-10, 1994.
363.	Growth And Device Fabrication Of Kdp And Dkdp Crystals	K.Srinivasan, S.Anbukumar, P.Ramasamy, **G. Ravi**	IX International symposium of the application of Ferroelectrics	Pennsylvania State University, USA	Aug 7-10, 1994.
364.	Studies On Some Amino Acids Mixed Tgs Crystals	G. Arunmozhi, S. Aravazhi, S. Anbukumar, P. Ramasamy, **G. Ravi**	IV International conference on properties and applications of Dielectric materials	Queensland University, Australia.	July 3-4, 1994.
365.	Electrical Characterization Of Arginine And Aniline Mixed Triglycine Sulphate Single Crystals	S. Aravazhi, G. Arunmozhi, S. Anbukumar, P. Ramasamy , **G. Ravi**	IV International conference on properties &applications of Dielectric materials	Queensland University, Australia.	July 3-4, 1994.
366.	Electrical Characterization Of Arginine And Aniline Mixed Triglycine Sulphate Single Crystals	S. Aravazhi, G. Arunmozhi, S. Anbukumar, P. Ramasamy, **G. Ravi**	Fifth Annual General Meeting Materials Research Society of India	Hyderabad.	Feb 7-9, 1994.
367.	Growth And Characterization Of Non-Linear Materials Kdp And Lap	K. Srinivasan, S. Anbukumar, P. Ramasamy, **G. Ravi**	National Laser symposium	Indore.	Jan 29- Feb1, 1994.
368.	Ferroelectric Studies On Metals Doped Triglycine Sulpho-Phosphate Single Crystals	G. Arunmozhi, S. Aravazhi, S. Anbukumar, C. Subramanian, P. Ramasamy, **G. Ravi**	XXV National seminar on Crystallo	Madras.	Dec 15-17, 1993.
369.	Studies On Growth Of Amino Acid Mixed Tgsp Crystals	G. Arunmozhi, S. Aravazhi, S. Anbukumar, **G. Ravi**	XXV National seminar on Crystallo	Madras.	Dec 15-17, 1993.
370.	Growth And Pyroelectric Studies On Amino Mixed Tgs Crystals	S. Anbukumar, **G. Ravi**	V National Seminar on Crystal Growth	Madras.	Nov 18-20, 1993.
371.	Growth Of Phosphate Substituted Tgs Single Crystal And Their Characterization	S. Anbukumar, P. Ramasamy, **G. Ravi**	Eighth International Conference on Ferroelectricity	Gaithesburg, Maryland, USA.	Aug 8-13, 1993.
372.	On The Nucleation, Growth And Characterization Of Kdp-Adp Mixed Crystals	K. Srinivasan, S. Anbukumar, P. Ramasamy, **G. Ravi**	Eighth International Conference on Ferroelectricity	Gaithesburg, Maryland, USA.	Aug 8-13, 1993
373.	Growth And Characterization Of Non-	K. Srinivasan, S. Anbukumar,	Eighth International Conference on	Gaithesburg, Maryland,	Aug 8-13, 1993

	Linear Crystals KDP And Sulphate Mixed LAP Single Crystals	P. Ramasamy, **G. Ravi**	Ferroelectricity	USA.	
374.	On The Growth And Characterization Of Mixed Crystals Of Tgs Family	S. Anbukumar, P. Ramasamy, **G. Ravi**	IX American conference on Crystal Growth	Baltimore, Maryland, USA.	Aug 1-6, 1993.
375.	Growth Of Mixed Crystals Of Non-Linear Materials And Their Characterization	K. Srinivasan, S. Anbukumar, P. Ramasamy, **G. Ravi**	IX American conference on Crystal Growth	Baltimore, Maryland, USA.	Aug 1-6, 1993.
376.	Growth Of Sulphate Mixed L-Arginine Phosphate Single Crystals And Its Characterization	K. Srinivasan, S. Anbukumar, P. Ramasamy, **G. Ravi**	Solid State Physics symposium	S.V.University, Tirupati	Dec 28-Jan1, 1993.
377.	Conventional And Fast Growth OfKdp Single Crystals And Their Characterization	K. Srinivasan, S. Anbukumar, P. Ramasamy, **G. Ravi**	XXIV National seminar on Crystallography	Jammu.	Oct 20-22, 1992.
378.	Pyroelectric Studies On Triglycine Sulpho-Phosphate Single Crystals	S. Anbukumar, P. Ramasamy, **G. Ravi**	VII National seminar on Ferroelectrics and Dielectrics	HNBGU, Srinagar (Garhwal).	Oct 3-5, 1992.
379.	Growth And Characterization Of Triglycine Sulphate Phosphate Mixed Crystals	S. Anbukumar, P. Ramasamy, **G. Ravi**	International Conference on Crystal Growth-10.	Sandiego, California, USA.	Aug 16-21, 1992.
380.	Studies On The Stability Of The Supersaturated KDP Solution	K. Srinivasan, S. Anbukumar, P. Ramasamy, **G. Ravi**	XXIII National Seminar on Crystallography	Jaipur.	March 23-25, 1991.
381.	Growth Of Large Size KdpAndTgs Crystals In Gel	S. Anbukumar, P. Ramasamy, **G. Ravi**	National seminar on crystal Growth from melt and Gel	M.S.University, Baroda.	March 15-18, 1991.
382.	Growth And Characterization Of Triglycine Sulphate Phosphate Crystals	S. Anbukumar, P. Ramasamy, **G. Ravi**	VI National seminar on Ferroelectrics and Dielectrics	Warangal.	Dec 17-19, 1990.
383.	Growth Of Indium Antimonide Crystal By A Modified Bridgman Stockbarger Technique	P. Santhana ragavan, S. Anbukumar, J. Kumar, P. Ramasamy, **G. Ravi**	Materials and devices for optoelectronics	Calcutta.	Sept 3-4, 1990.
384.	Growth And CharacterisationOf Mixed Crystals Of Triglycine Sulphate And Triglycine Sulpho Phosphate	S. Anbukumar, **G. Ravi**	Proc.VI National Seminar on Ferroelectrics& Dielectrics	Chennai	1990.

Overseas Exposure/Visits

S.No	Countries Visited	Duration of Visit	Month & Year	Purpose of Visit
1.	Bangaladesh	10 days	Oct. 1999	Dhaka, Invited talk in the Int. conference
2.	Japan	14 days	Aug. 2000	Tohuku University, Sendai, Invited talk & Chair session in Int. conference (ACCG)
3.	Singapore	2 days	Sep. 2000	National University of Singapore, Lab visit
4.	Japan	7 days	July 2001	Presented papers in ICCG-13 Int. conf. at Kyoto
5.	Korea	12 days	Aug. 2001	Cheju, Invited under Young Scientist Programme
6.	Japan	5 months	Nov.2001 - Mar.2002	Invited Special Researcher, NIMS, Tsukuba
7.	Japan	2 years	Apr.2002-Mar.2004	JSPS Fellow, NIMS, Tsukuba
8.	USA	15 days	Aug. 2002	Seattle, Presented papers in Int. Conference
9.	Canada	2 days	Aug. 2002	Van cover, Lab visit
10.	Sri Lanka	1 day	Oct. 2002	Colombo, Lab visit
11.	Germany	2 days	June 2003	Bonn Univ., Bonn, Invited lecture
12.	France	4 days	June 2003	Strasburg, Presented papers in MRS International Conference
13.	Switzerland	3 days	June 2003	Zurich, Quantum Electronics Lab visit
14.	Malaysia	2 days	Oct. 2003	Kuala Lumpur, Lab visit
15.	Japan	6 months	June-Nov.2004	Invited Special Researcher, (NIMS), Tsukuba
16.	England	3 days	Aug. 2004	Oxford Univ., Lab visit (Clarendon Lab)
17.	Italy	2 days	Aug. 2004	Univ. of Rome, Lab visit
18.	France	4 days	Aug. 2004	Grenoble, Presented papers in ICCG
19.	Netherlands	2 days	Aug. 2004	Amsterdam, Lab visit
20.	Belgium	1 day	Aug. 2004	Brussels, Lab visit
21.	Germany	1 day	Aug. 2004	Aachen University, Lab visit
22.	China	15 days	Oct. 2005	Beijing, Papers Presented & Lab visit (CAS)
23.	Japan	2 months	Jan.-Feb. 2006	Invited Special Researcher (NIMS)
24.	Taiwan	3 days	Mar. 2006	Taipei, Delivered lecture (NUT)
25.	Mexico	3 days	Aug. 2010	Mexico city & Cancun, Delivered lectures
26.	Brazil	1 day	Aug. 2010	Sao Paulo, Lab visit
27.	South Africa	2 days	Aug. 2010	Johannesburg, Lab visit
28.	Japan	4 months	Aug.-Nov.2012	Visiting Professor, RIE, Shizuoka University
29.	Australia	4 days	Oct. 2012	Brisbane, Papers Presented & Lab visit, Queensland University
30.	Thailand	2 days	Nov. 2012	Bangkok, Lab visit
31.	Japan	5 days	2014 & 2015	Shizuoka University, Japan, Honorable Guest Professor
32.	Japan	2 months	Nov.-Dec. 2016	Shizuoka University, Japan, JSPS Invitation Fellow

33.	Australia	7 days	Feb- Mar. 2019	Monash University, Australia , LEAP (MHRD) Program.
34.	Spain	3 days	Sep 23-25, 2019	Invited Talk on 6th Int.Conference on Photonics (PHRONESIS), Barcelona.

Membership

Professional Bodies

1. Life member in Indian Crystal Growth Association
2. Life member in Indian Physics Association (IPA)
3. SPIE: International Society for Optical Engg. USA
4. Life member - Indian National Science Congress
5. Life member-Materials Research Society of India (MRSI)
6. Life member-Japan Society for Promotion of Science (JSPS), Japan.
7. Life member-National Institute for Materials Science (NIMS), Japan.
8. Life member-Bose Science Society –India
9. Fellow Member – Academy of Sciences, Chennai.
10. Fellow Member – Royal Society of Chemistry, UK.

AdvisoryBoard

Year/Period	Name of the BoS / Administrative Committee / Academic Committee	Role
01/06/2022-21/08/2022	Internal Quality Assurance Cell (IQAC)	Director
09/08/2019-21/08/2022	Intelectual Property and Patent Cell	Member
09/08/2019-21/08/2022	Instrumentation Centre	Member

Academic Bodies in Other Institutes / Universities

Year/Period	Name of the BoS / Administrative Committee / Academic Committee	Role
Periodical	Board of Studies: M.Sc. Physics, Affiliated colleges, Alagappa University.	Chairman
Periodical	Board of Studies: B.Sc., Physics, Affiliated colleges, Alagappa University.	Member
Periodical	Board of Studies : M.Sc Physics-MS University	Member

Periodical	Board of Studies : B.Sc Physics-MS University	Member
Periodical	Board of Studies: M.Sc Physics-Bharathidasan University	Member
Periodical	Board of Studies: M.Sc Physics-Bharathiar University	Member
Periodical	Board of Studies: M.Sc Physics-Periyar University	Member
Periodical	Board of Studies: M.Sc Physics-Annamalai University	Member
Periodical	Board of Studies: M.Sc Physics-Madurai Kamaraj University	Member
Periodical	Board of Studies: M.Sc Physics – Avinashilingam Institute, Coimbatore	Member
Periodical	Passing Board: B.Sc.	Member

Ph.D. Thesis Guided/ Under Guiding/Co-Guided

S.No	Name of the Scholar	Title of the Thesis	Year of Completion
1.	Ponelakkia .D.K	Fabrication of MXene/Polymer nanocomposites and investigation of their sensing performance on various gases	On-Going
2.	Muhil Eswari. K	Development of Metal oxide / carbon –based nanocomposites and investigation of their in-vitro Cytotoxicity property for combating cancer cells	On-Going
3.	Balaji. V	Thriving Investigation of Two Dimensional Transition Metal Carbides/nitrides(MXenes) For Ingenious Supercapacitors and Water Splitting Applications	On-Going
4.	S.Asaithambi	Investigation on various metal doped tin oxide and tin oxide based composites for supercapacitro and photocatalytic application	2016-21
5.	M.Karuppaiah	Design and synthesis of manganese based self-assembled micro-nano structured electrode materials for supercapacitor applications	2016-21
6.	P.Sakthivel	Fabrication of perovskite solar cell using cadmium based transparent conducting oxide thin films prepared by RF magnetron sputtering and their analysis	2015-20
7.	S.Sheik Fareed	Studies on SILAR deposited nanostructured pure , doped	2010-19

		magnetite (Fe_3O_4)thin films and their application in microstrip patch antenna	
8.	R. Murugan	Pure and transition metal (TM = Mn, Co, Ni) doped cerium oxide nanostructures for storage applications	2013-18
9.	T. Shrividhya	Physical and chemical properties of PVD deposited V_2O_5 thin film for electrocatalytic and optoelectronics applications.	2011-16
10.	G. Vijayaprasath	Role of metal doping on structural, optical and magnetic performance of ZnO nanostructures	2011-16
11.	R. Senthil Kumar	Fabrication of nanostructures metal oxide thin films (WO_3, MnO_3 and Nb_2O_5) for gas sensing and photoelectrochemical applications	2009-16
12.	G. Anandha babu	Nanostructured design and quantification of ferromagnetism in metal oxides	2011-15
13.	M. Thangaraj	Synthesis, Crystal Growth And Characterization of Nitrophenolate Based Materials for Nonlinear Optical Applications	2009-15
14.	MR.Manikandan	Investigations on synthesis, growth aspects and characterization of organic and metal organic crystals for non-linear optical applications	2009-12
15.	S. D. Gopal Ram	Investigations on growth kinetics of zinc oxide nanostructures by hydrothermal method	2006-11
16.	S. Sankar	Investigations on nonlinear and ferro electric crystals grown by solution and gel technique	2001-10
17.	J. Wilson	Preparation and characterization of poly (vinylidene fluoride – hexafluro propylene) (PVdF-HFP) gel and composite electrolytes for lithium batteries	2001-06
18.	Ra. Shanmugavadivu	Synthesis, crystal growth and characterization of semi organic, metal organic and organic nonlinear optical material	2001-06
19.	A. Nixon Azariah	Studies on organic single crystals and polymeric materials suitable for nonlinear optical applications	2000-05
20.	A. S. Haja Hameed	Nucleation, growth and characterization of nonlinear optical crystals: L-arginine phosphate monohydrate family and indole-3-aldehyde	1998-02
21.	MD. Mostak Hossain	Theoretical investigations on the growth of kinetics of compound semiconductors	1997-00

List of Ph.D Co-Guided-10

S.No	Scholar Name	Title of the Thesis	Year
1.	M. Sangeetha Vidhya	Exploration of Transition Metal Selenide Based Composite Electrodes for the fabrication of Asymmetric supercapacitor	2017-2023

2.	M. Isac Fraklin	Development of Quaternary Metal Sulphide and Samarium Metal Oxide Electrodes for Hybrid Supercapacitors	2018-2023
3.	R.Kaliyammal	Investigations on the physiochemical and quantum chemical calculations of 2-amino-6-methylpyridine derivative single crystal for non-linear optical applications	2018-2022
4.	G.Parvathy	Investigations on the synthesis, growth, physiochemical and quantum chemical calculations of 5-chloro-2-hydroxybenzoic acid derivative single crystals for nonlinear optical applications.	2018-2022
5.	B.Jansi Rani	Development of metal oxide based nanostructures for clean energy production via water splitting approach	2016-2020
6.	R.Daphine	Influence of structured computer adaptive test and potentials on response pattern of testees in individualized physics evaluation.	2009-2014
7.	K.Venkatesh	Investigation of nanostructured Metal oxides for Antimicrobial Activities and Gas Sensor Applications	2008-2015
8.	N. Lavanya	Investigation of nanostructured tin di oxide (SnO_2) for innovative electro chemical and gas sensing application	2012-2016
9.	C.Sumathi	Design and development of novel α-Fe_2O_3 based composites for electrochemical biosensing applications	2011-2017
10.	P. Muthukumaran	Development of nanostructured nickel and ferrite based composite materials for electrochemical sensor applications	2013-2018

List of Research Articles / Recent Publications

International Journals: 399

National Journals : 53

Papers Published in International Journals:

S.No.	Title of the article	Author(s)	Name of the Jounal Vol. No. & Page	International/ National	Impact factor
1.	An ultra-high electrochemical performance of surface-rich boron induced multi-metal centered heterocatalyst for overall water splitting	Sakthivel Perumal, Mustafa KA Mohammed, Mani Govindasamy, Asma A Alothman, Mohamed Ouladsmane, **Ravi Ganesan**	International Journal of Hydrogen Energy, 54 (2024) 652-664	I	**7.2**

2.	Sputtering Deposition of a Binder-Free V_2O_5/ZnO Thin Film for Transparent Supercapacitor Applications	Murugesan Karuppaiah, Jung Kyoo Lee, **Ganesan Ravi**	ACS Applied Electronic Materials	I	**4.494**
3.	Copper tungsten sulfide nanocubes decorated with rGO/MWCNT for overall water splitting	S Swathi, R Yuvakkumar, **G Ravi**, S Arunmetha, Dhayalan Velauthapillai	Electrochimica Acta, 475 (2024) 143685	I	**6.6**
4.	Sputtered vanadium carbon nitride (VCN) thin films: a potential electrode for supercapacitors	G Vijaya Prasath, J Vivekanandan, M Selvamurugan, KS Usha, P Sakthivel, G Anandha Babu, **G Ravi**	Materials Research Express, 11 (2024) 015602	I	**2.025**
5.	Magnetically separable rare earth metal incorporated $CdFe_2O_4$ photocatalyst for degradation of cationic and azo dyes	SP Keerthana, R Yuvakkumar, **G Ravi**, S Arunmetha, M Thambidurai, Dhayalan Velauthapillai	Journal of Molecular Structure, 1302 (2024) 137479	I	**3.8**
6.	Bayberry-like Cu3BiS3 with 2D layered nanosheets of rGO and g-C3N4 for effective electrochemical HER activity	S Swathi, R Yuvakkumar, **G Ravi**, S Arunmetha, A Arun, Dhayalan Velauthapillai	International Journal of Hydrogen Energy, 49 (2024) 295-308	I	**7.2**
7.	Co_3O_4/g-C_3N_4 nanocomposite for enriched electrochemical water splitting	P Mohana, S Swathi, R Yuvakkumar, **G Ravi**, M Thambidurai, Hung D Nguyen	International Journal of Hydrogen Energy, 49 (2024) 376-389	I	**7.2**
8.	Hydrothermal synthesis of Fe_2O_3 nanoparticles and their electrochemical application	J Vivekanandan, G Vijaya Prasath, M Selvamurugan, KS Usha, **G Ravi**	Journal of Materials Science: Materials in Electronics, 35 (2024) 1-12	I	**2.478**
9.	Facile Synthesis of Ni-MgO/CNT Nanocomposite for Hydrogen Evolution Reaction	Panneerselvam Mohana, Melkiyur Isacfranklin, Rathinam Yuvakkumar, **Ganesan Ravi**, Lakshmanan Kungumadevi, Sundaramoorthy Arunmetha, Jun Hyun Han, Sun Ig Hong	Nanomaterials, 14 (2024) 280	I	**5.719**
10.	Enhanced electrochemical performance of CuO/NiO/rGO for oxygen evolution reaction	P Mohana, R Yuvakkumar, **G Ravi**, S Arunmetha	Electrochimica Acta, 473 (2024) 143464	I	**6.6**
11.	γ-Ray-Induced Photocatalytic Activity of Bi-Doped PbS toward Organic Dye Removal under Sunlight	P Jeya, SP Keerthana, L Kungumadevi, Yuvakkumar Rathinam, **Ravi Ganesan**, Asokan Kandasami, TS Senthil	ACS omega, 8 (2023) 47427	I	**4.1**

12.	Probing the energy conversion and storage process in two dimensional layered bismuthene-hexagonal boron nitride nanocomposite electrode and PVA-KOH-$BaTiO_3$ piezoelectrolyte nanogenerators	G.Maheshwaran M. Ramesh Prabhu **G.Ravi** K.Sankaranarayanan S.Sudhahar.	Nanoenergy, 106 (**2023**) 108060	I	**19.06**
13.	Boron, nitrogen, sulphur heteroatom influence effect on direct growth carbon nanotubes on Ni foam for anode electrodes	M Isacfranklin, R Yuvakkumar, L Kungumadevi, **G Ravi**, V Rajendran	Electrochimica Acta, 468 (2023) 142961	I	**7.336**
14.	Sr doped TiO_2 photocatalyst for the removal of Janus Green B dye under visible light	SP Keerthana, R Yuvakkumar, **G Ravi**, M Thambidurai, Hung D Nguyen, Dhayalan Velauthapillai	RSC advances, 13 (2023) 18779-18787	I	**4.036**
15.	Effect of Neodymium substitution on the structural, morphological and optical properties of yttrium oxide nanocrystals	P Anandan, R Sankar, V Selvakumar, T Saravanan, M Arivanandhan, Y Hayakawa, **G Ravi**	Materials Research Innovations, 27 (2023) 83-92.	I	**0.308**
16.	High-Density Jet-Fuel Hydrocarbons from Biomass-derived Cyclic Ketones via Vapor Phase Hydrodeoxygenation over Ru-Ni_2P/Al (10)-KIT-6	Vijayakumar Gunasekaran, Yuvakkumar Rathinam, **Ravi Ganesan**, Harichandran Gurusamy	Energy & Fuels, (2023)	I	**4.654**
17.	Exploration of Bifunctionality in Mn, Co Codoped CuO Nanoflakes for Overall Water Splitting	B Jansi Rani, P Mohana, S Swathi, R Yuvakkumar, **G Ravi**, M Thambidurai, Hung D Nguyen, Dhayalan Velauthapillai	International Journal of Energy Research, (2023)	I	**7.139**
18.	Construction of Fe_2O_3 Nanoparticles Decorated for a Highly Efficient Oxygen Evolution Reaction Activity	Swathi Srinivasan, Yuvakkumar Rathinam, **Ravi Ganesan**, Arun Alagarsamy	Energy & Fuels, (2023)	I	**4.654**
19.	Bio-inspired synthesis of silver nanoparticles and their nanocomposites for antibacterial and anticancer activity: A comparative study	V Balaji, Sakthivel Perumal, Subramanian Palanisamy, M Karuppaiah, S Asaithambi, Dhayalan Velauthapillai, P Kumar, R Yuvakkumar, **G Ravi**	Journal of Alloys and Compounds, 966 (2023) 171503	I	**6.2**
20.	Designed nanoarchitectonics and fabrication of Ni $(OH)_2$/MWCNT/CNF electrode for asymmetric hybrid supercapacitor applications	Sankaiya Asaithambi, Palanisamy Rajkumar, Akshaya Subhramaniyan Rasappan, **Ganesan Ravi,** Dhayalan Velauthapillai, Kisoo Yoo, Jinho Kim	Journal of Energy Storage, 72 (2023) 108532	I	**8.907**
21.	$SmNiO_3$/SWCNT perovskite composite for hybrid supercapacitor	M Isacfranklin, R Yuvakkumar, **G Ravi,** M Thambidurai, Hung D Nguyen, Dhayalan	Journal of Energy Storage, 68 (**2023**)	I	**8.907**

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22.	Reaction time influence on copper tin sulfide micro flowers for enhanced electrochemical hydrogen evolution reaction (HER) performance	S Swathi, R Yuvakkumar, **G Ravi**, A Arun, Dhayalan Velauthapillai	Electrochimica Acta, 460 (**2023**) 142502.	I	**7.336**
23.	Different carbonization temperature effect on Mo_2C/MWCNT hybrid structure formation for enhanced supercapacitor performance	M Isacfranklin, R Yuvakkumar, L Kungumadevi, **G Ravi,** V Rajendran	Electrochimica Acta, (**2023**) 142699	I	**7.336**
24.	Gamma irradiation effect on photocatalytic properties of Cu and Sr ions codoped PbS	P Jeya, SP Keerthana, L Kungumadevi, R Yuvakkumar, **G Ravi**, Asokan Kandasami, TS Senthil	Environmental Research, 226 (**2023**) 115651	I	**8.431**
25.	Perovskite rare earth porous hollow microspheres of $SmFeO_3$/MWCNT battery type asymmetric hybrid supercapacitors	M Isacfranklin, R Yuvakkumar, **G Ravi,** M Thambidurai, Hung D Nguyen, Dhayalan Velauthapillai	Electrochimica Acta, (**2023**) 142519	I	**7.336**
26.	Unique hierarchical mesoporous $SmMnO_3$/MWCNT for highly efficient energy storage applications	Isacfranklin Melkiyur, Yuvakkumar Rathinam, **Ravi Ganesan**, M Thambidurai, Hung D Nguyen, Dhayalan Velauthapillai	Electrochimica Acta, 450 (**2023)** 142186	I	**7.336**
27.	Ternary Copper Iron Sulfide Microflowers Anchored on Reduced Graphene Oxide for Water Splitting	Srinivasan Swathi, Rathinam Yuvakkumar, **Ganesan Ravi**, Mariyappan Thambidurai, Hung D Nguyen, Dhayalan Velauthapillai	ACS Applied Nano Materials (**2023**)	I	**6.14**
28.	Biological evaluation of polycyclic chalcone based acrylamides in human MCF-7 and HeLa cancer cell lines	Vijayakumar Gunasekaran, Rathinam Yuvakkumar, **Ravi Ganesan**, Surya Cholayil Palapetta, Harichandran Gurusamy	Environmental Research, 222 (**2023**) 115395	I	**8.431**
29.	Direct Growth of Binder-Free CNTs on a Nickel Foam Substrate for Highly Efficient Symmetric Supercapacitors	Melkiyur Isacfranklin, Yuvakkumar Rathinam, **Ravi Ganesan,** Dhayalan Velauthapillai	ACS omega, 8 (**2023**) 11700-11708	I	**4.132**
30.	Heterostructured two dimensional materials of MXene and graphene by hydrothermal method for efficient hydrogen production and HER activities	V Thirumal, R Yuvakkumar, P Senthil Kumar, **G Ravi**, A Arun, Ramesh K Guduru, Dhayalan Velauthapillai	International Journal of Hydrogen Energy, 48 (**2023**) 6478-6487	I	**7.139**
31.	Role of Different Catalysts on a Direct Growth Carbon Nanotube for Supercapacitor Electrodes	Melkiyur Isacfranklin, Yuvakkumar Rathinam, **Ravi Ganesan,** Vijayalakshmi Nagaraj, Dhayalan Velauthapillai	Energy & Fuels, 37 (**2023)** 3991-3999	I	**4.654**

32.	Neodymium-Doped Novel Barium Tungstate Nanospindles for the Enhanced Oxygen Evolution Reaction	Srinivasan Swathi, Marimuthu Priyanga, Yuvakkumar Rathinam, **Ravi Ganesan**, Abdullah G Al-Sehemi, Dhayalan Velauthapillai	ACS Omega (**2023**)	I	**4.132**
33.	A Comprehensive review on novel quaternary metal oxide and sulphide electrode materials for supercapacitors	Isacfranklin Melkiyur Yuvakkumar Rathinam P. Senthi lKumar Asaithambi Sankaiya Selvakumar Pitchaiya **Ravi Ganesan** Dhayalan Velauthapillai	Renewable and Sustainable energy reviews, 173 (**2023**) 113106	I	**16.79**
34.	Copper doped zinc sulfide nanostructure for alternative energy production	P. Mohana, R. Yuvakkumar, **G. Ravi**, M. Thambidurai, Hung D. Nguyen	Materials Letters (**2023**)	I	**3.57**
35.	Synthesis, properties and antibacterial activity of Ca doped Zn_2SnO_4 nanoparticles by microwave assisted method	A. R. Pandi murugan, G. Vijaya Prasath, K. S. Usha, J. Vivekanandan, C. Karthikeyan, K. Sankara narayanan **G. Ravi**	Applied Physics A, 129 (**2023**) 154	I	**2.98**
36.	Mesoporous oxygen vacancy 3D-rhombohedral Ov-Mn_2O_3 mixed with rGO@ CNTs as cathode material for self-charging pouch-type hybrid supercapacitor applications	M Karuppaiah, B Sriram, P Sakthivel, S Asaithambi, D Sidharth, V Balaji, S-F Wang, R Yuvakkumar, **G Ravi**	Materials Today Chemistry, 26 **(2022)** 101017.	I	**8.30**
37.	Simulation and analysis of lead-free perovskite solar cells incorporating cerium oxide as electron transporting layer	Ali K. Al-Mousoia, Mustafa K. A. Mohammed, Rahul Pandey, Jaya Madan, Davoud Dastand, **G. Ravi**, P. Sakthivel,G. Anandha babu	RSC Advances, 12 **(2022)** 32365-32373.	I	**4.03**
38.	Samarium doped barium molybdate nanostructured candidate for supercapacitors	B Jansi Rani, S Swathi, R Yuvakkumar,**G Ravi,** R Rajalakshmi, Abdullah G Al-Sehemi, Dhayalan Velauthapillai	Journal of Energy Storage, 56 **(2022)** 105945.	I	**8.90**
39.	Heterostructured O_v-Mn_2O_3@Cu_2SnS_3@SnS Composite as Battery-Type Cathode Material for Extrinsic Self-Charging Hybrid Supercapacitors	Murugesan Karuppaiah, Perumal Sakthivel, Sankaiya Asaithambi, Balasubramanian Sriram, Tansir Ahamad, Saad M Alshehri, Rathinam Yuvakkumar, **Ganesan Ravi**	Advanced Materials Interfaces, **(2022)** 2200104.	I	**6.389**
40.	Improving the potential of ethyl acetate green anti solvent to fabricate efficient and stable perovskite solar cells.	Mustafa KA Mohammed, Sangeeta Singh, Ali K Al-Mousoi, Rahul Pandey, Jaya Madan, Davoud Dastan, **G Ravi**	RSC Advances, 12 (2022) 32611-32618	I	**4.03**
41.	Rare Earth-Doped MoS_2 for Supercapacitor Application	M Isacfranklin,L Esther Maria Princy, Yuvakkumar Rathinam, L Kungumadevi,**G Ravi**, Abdullah G Al-Sehemi, Dhayalan Velauthapillai	Energy & Fuels, 36 **(2022)** 6476–6482.	**I**	**4.65**

42.	Hydrothermal Synthesis of Flower like $MnSe_2$@$MoSe_2$ Electrode for Supercapacitor Applications	M SangeethaVidhya, R Yuvakkumar, P Senthil Kumar, **G Ravi**, D Velauthapillai	Topics in Catalysis, 65 **(2022)** 615–622.	**I**	**2.78**
43.	Facile preparation and characterization of MXene@Platinum nanoc omposite for energy conversion applications	V Thirumal, R.Yuvakkumar, P.Senthil Kumar,**G Ravi**, Dhayalan Velauthapillai	Fuel, 317 **(2022)** 123493.	**I**	**8.03**
44.	Preparation and characterization of antimony nanoparticles for hydrogen evolution activities	V Thirumal, R Yuvakkumar, P Senthil Kumar, B Saravanakumar, **G Ravi**, M Shobana,Dhayalan Velauthapillai	Fuel, 325 **(2022)** 124908.	**I**	**8.03**
45.	Rare earth metal (Sm)-doped $NiMnO_3$ nanostructures for highly competent alkaline oxygen evolution reaction	S. Swathi , R. Yuvakkumar , **G. Ravi** , Abdullah G. Al-Sehemi, Dhayalan Velauthapillai	Nanoscale Advances, 4 **(2022)** 2501-2508.	**I**	**5.59**
46.	One-step fabrication of copper sulfide catalysts for HER in natural seawater and their bifunctional properties in freshwater splitting	T Marimuthu, R Yuvakkumar, **G Ravi**, Yupeng Zheng, Zhuoneng Bi, Xueqing Xu, Gang Xu, Dhayalan Velauthapillai	Fuel, 322 **(2022)** 124073.	**I**	**8.03**
47.	Carbonization and optimization of biomass waste for HER application	V Thirumal,R Yuvakkumar, B Saravanakumar, **G Ravi**, M Isacfranklin,M Shobana, Abdullah G Al-Sehemi, Dhayalan Velauthapillai	Fuel, 324 **(2022)**124466.	**I**	**8.03**
48.	Nitrogen and nitrogen-sulfur doped graphene nanosheets for efficient hydrogen productions for HER studies	V Thirumal, R Yuvakkumar, P Senthil Kumar, **G Ravi**, M Shobana, B Saravanakumar, Dhayalan Velauthapillai	International Journal of Hydrogen Energy, **(2022).**	**I**	**7.13**
49.	Investigation of optimum Mn dopant level on TiO_2 for dye degradation	SP Keerthana, R Yuvakkumar, **G Ravi**, Abdullah G Al-Sehemi, Dhayalan Velauthapillai	Chemosphere, **(2022)** 135574.	**I**	**8.94**
50.	Effect of grinding time on bismuth oxyhalides optical and morphological properties influence on photocatalytic removal of organic dye	SP Keerthana, K Kowsalya, P Senthil Kumar, R Yuvakkumar, L Kungumadevi, **G Ravi**, Dhayalan Velauthapillai	Chemosphere, **(2022)** 135272.	**I**	**8.943**
51.	$ZnCo_2O_4$/ CNT composite for efficient supercapacitor electrodes	M Isacfranklin, S Daphine, R Yuvakkumar, L Kungumadevi, **G Ravi**, Abdullah G Al-Sehemi, Dhayalan Velauthapillai	Ceramics International, **(2022).**	**I**	**5.532**
52.	Morphological evolution of carnation flower like Cu_2CoSnS_4 battery type electrodes	M Isacfranklin, Rathinam Yuvakkumar, **Ganesan Ravi**, Dhayalan Velauthapillai	Materials Advances, **(2022).**	**I**	**3.18**
53.	Computational studies and experimental fabrication of DSSC device assembly on 2D-layered TiO_2 and MoS_2@ TiO_2 nanomaterials	B Arjun Kumar,V Vetrivelan, G Ramalingam,A Manikandan, S Viswanathan,P Boomi, **G Ravi**	Physica B: Condensed Matter,633 **(2022)** 413770.	**I**	**2.98**

54.	PEG mediated tetragonal calcium molybdate nanostructures for electrochemical energy conversion applications	S Swathi, R Yuvakkumar, P Senthil Kumar, **G Ravi,** M Thambidurai, Cuong Dang, Dhayalan Velauthapillai	International Journal of Hydrogen Energy, **(2022).**	**I**	**7.13**
55.	Surfactant induced copper vanadate (β-$Cu_2V_2O_7$, $Cu_3V_2O_8$) for different textile dyes degradation	SP Keerthana, R Yuvakkumar, P Senthil Kumar, **G Ravi,** Dhayalan Velauthapillai	Environmental Research, 211 **(2022)** 112964.	**I**	**8.43**
56.	Electrochemical energy storage applications of carbon nanotube supported heterogeneous metal sulfide electrodes	P Sakthivel, M Karuppiah, S Asaithambi, V Balaji, Muthu Senthil Pandian, P Ramasamy, Mustafa KA Mohammed,N Navaneethan, **G Ravi**	Ceramics International,48 **(2022)** 6157-6165.	**I**	**5.53**
57.	Mapping and Scientometric Measures on Research Publications of Energy Storage and Conversion	Baskaran Chinnasamy, R Yuvakkumar,P Senthil Kumar, **G Ravi,** Dhayalan Velauthapillai, CerenKaraman, Mehmet Lütfi Yola, Hassan Karimi-Maleh	Topics in Catalysis **(2022)** 1-12.	**I**	**2.78**
58.	Construction of bimetallic ZnSe-CoSe2 flower as a finely tuned electrode for enhancing supercapacitor performance	M Sangeetha Vidhya, R Yuvakkumar**, G Ravi**	International Journal of Energy Research **(2022).**	**I**	**4.67**
59.	Facile hydrothermal synthesis of MXene@ antimony nanoneedle composites for toxic pollutants removal	V Thirumal,R Yuvakkumar, P Senthil Kumar,SP Keerthana, **G Ravi**, M Thambidurai, Cuong Dang, Dhayalan Velauthapillai	Environmental Research,210 **(2022)** 112904.	**I**	**8.43**
60.	Flower like strontium molybdate for efficient energy conversion applications	S Swathi,R Yuvakkumar, P Senthil Kumar, **G. Ravi**, D Nanthini, Dhayalan Velauthapillai	Fuel, 308 (**2022**) 122051.	**I**	**8.03**
61.	Scheelite-type Fe substituted $SrWO_4$ for hydrogen evolution reaction under alkaline conditions	S Swathi, R Yuvakkumar, P Senthil Kumar, **G Ravi**, A Manigandan, Dhayalan Velauthapillai	Fuel, 316 (**2022**) 123309.	I	**8.03**
62.	Characterization of activated biomass carbon from tea leaf for supercapacitor applications	V Thirumal, R Yuvakkumar, **G Ravi**,G Dineshkumar, M Ganesan, Saad H Alotaibi, Dhayalan Velauthapillai	Chemosphere, 291 (**2022**) 132931.	I	**8.94**
63.	Morphology investigation on direct growth ultra-long CNTs by chemical vapour deposition method for high performance HER applications	V Thirumal, R Yuvakkumar, P Senthil Kumar,Gayathri Rangasamy**, G Ravi**, M Isacfranklin, Dhayalan Velauthapillai, M Thambidurai, Hung D Nguyen	Fuel, 330 **(2022)** 125532.	I	**8.03**
64.	Conversion and reducing agent effect on zero valent iron into Fe_3O_4 for photocatalytic degradation under UV light irradiation	SP Keerthana, S Gayathri, R Yuvakkumar, L Kungumadevi,**G Ravi**, Abdullah G Al-Sehemi, Dhayalan Velauthapillai	Environmental Research, 214 **(2022)** 113959.	I	**8.43**

65.	Nd doped ZrO_2 photocatalyst for organic pollutants radegradation in wastewater	SP Keerthana, R Yuvakkumar, P Senthil Kumar, **G Ravi,** Dhayalan Velauthapillai	Environmental Technology & Innovation, 28 **(2022)** 102851.	I	***7.75***
66.	Investigation of g-C_3N_4 ratio on $CaFe_2O_4$ to remove toxic pollutants from wastewater	SP Keerthana, R Yuvakkumar, **G Ravi,** V Varshini, Dhayalan Velauthapillai	Journal of Hazardous Materials Advances 7 **(2022)** 100143.	I	--
67.	Investigation of pure and g-C_3N_4 loaded $CdWO_4$ photocatalytic activity on reducing toxic pollutants	SP Keerthana, R Yuvakkumar, P Senthil Kumar,**G Ravi**, SI Hong, Dhayalan Velauthapillai	Chemosphere, 291 (**2022**) 133090.	I	**8.94**
68.	Exploration of a Bimetallic $NiSe_2$@$CoSe_2$ Nano sphere as a Proficient Electrode for Electrochemical Activity	M Sangeetha Vidhya, Rathinam Yuvakkumar, **Ganesan Ravi**, Abdullah G Al-Sehemi,Van-Huy Nguyen, Dhayalan Velauthapillai	Energy & Fuels, 36 (**2022**) 1726-1734.	I	**4.65**
69.	Electrochemical Enhancement of Binary $CuSe_2$@ $MoSe_2$ Composite Nanorods for Supercapacitor Application	M Sangeetha Vidhya, R Yuvakkumar, P Senthil Kumar, **G Ravi**, Dhayalan Velauthapillai, Padideh NaderiAsrami	Topics in Catalysis, (**2022**) 1-9.	I	**2.78**
70.	Crystal growth and characterization of 2-amino-6-methylpyridinium p-chlorobenzoate dihydrate single crystal: a novel third-order nonlinear optical material for optoelectronic application	R Kaliammal, G Parvathy, **G Ravi**,V Mohan Kumar, M Krishna Kumar,S Sudhahar	Journal of Materials Science: Materials in Electronics, (**2022)** 4598-4616.	I	**2.77**
71.	Investigation of PEG directed Sb_2WO_6 for dyes removal from wastewater	SP Keerthana, R Yuvakkumar, P Senthil Kumar, **G Ravi**, SI Hong, Dhayalan Velauthapillai	Chemosphere, 291 (**2022**) 132677.	I	**8.94**
72.	The electrochemical energy storage and photocatalytic performances analysis of rare earth metal (Tb and Y) doped SnO_2@ CuS composites	S Asaithambi, V Balaji, M Karuppaiah, P Sakthivel, K Muhil Eswari, R Yuvakkumar, P Selvakumar, Dhayalan Velauthapillai, **G Ravi**	Advanced Powder Technology, 33 (**2022**) 103442.	I	**4.96**
73.	Polyvinylpyrrolidone-assisted novel copper antimony sulfide nanorods for highly efficient hydrogen evolution reaction	S Swathi, R Yuvakkumar, P Senthil Kumar,**G Ravi**, Dhayalan Velauthapillai	Fuel, 314 (**2022**) 123096.	I	**8.03**
74.	Novel strontium vanadate nanostructures for hydrogen evolution reaction activity	S Swathi, R Yuvakkumar, **G Ravi**, Abdullah G Al-Sehemi, Dhayalan Velauthapillai	Materials Letters, 309 (**2022**) 131426.	I	**3.57**
75.	Fabrication of Ce doped TiO_2 for efficient organic pollutants removal from wastewater	SP Keerthana, R Yuvakkumar, **G Ravi**, SI Hong, Abdullah G Al-Sehemi, Dhayalan Velauthapillai	Chemosphere, (**2022**) 133540.	I	**8.94**

76.	Recent Progression of Flower Like ZnSe@ $MoSe_2$ Designed as an Electro catalyst for Enhanced Supercapacitor Performance	M Sangeetha Vidhya, R Yuvakkumar, P Senthil Kumar, **G Ravi**, Dhayalan Velauthapillai, MajedeBijad	Topics in Catalysis, (**2022**) 1-9.	I	**2.78**
77.	Synthesis of pure and lanthanum-doped barium ferrite nanoparticles for efficient removal of toxic pollutants	SP Keerthana,R Yuvakkumar, **G Ravi**, Abdullah G Al-Sehemi, Dhayalan Velauthapillai	Journal of Hazardous Materials, 424 (**2022**) 127604.	I	**14.22**
78.	Experimental and theoretical approach of novel third-order nonlinear optical single crystal: benzamide 5-chloro-2-hydroxybenzoic acid	G Parvathy, R Kaliammal, K Velsankar, G Vinitha, D Satheesh, **G Ravi**, S Sudhahar	Journal of Materials Science: Materials in Electronics (**2022**) 1-9.	I	**2.77**
79.	In-situ deposition of amorphous Tungsten (VI) oxide thin-film for solid-state symmetric supercapacitor	M Karuppaiah, P Sakthivel, S Asaithambi, V Balaji, G Vijayaprasath, R Yuvakkumar, **G Ravi**	Ceramics International, 48 (**2022**) 2510-2521.	I	**5.53**
80.	Enhanced visible light-driven photocatalytic performance of CdSe nanorods	G Ramalingam, CMaria Magdalane, B Arjun Kumar, R Yuvakkumar, **G. Ravi**, A Irudaya Jothi, Naresh Kumar Rotte, G Murugadoss, Antony Ananth	Environmental Research, 203 (**2022**) 111855.	I	**8.43**
81.	Facile single-step synthesis of MXene@ CNTs hybrid nanocomposite by CVD method to remove hazardous pollutants	V Thirumal, R Yuvakkumar, P Senthil Kumar, **G. Ravi**, SP Keerthana, Dhayalan Velauthapillai	Chemosphere, 286 (**2022**) 131733.	I	**8.94**
82.	Gadolinium doped CeO_2 for efficient oxygen and hydrogen evolution reaction	S Swathi, R Yuvakkumar, P Senthil Kumar, **G. Ravi,** M Thambidurai, Cuong Dang, Dhayalan Velauthapillai	Fuel, 310 (**2022**) 122319.	I	**8.03**
83.	Effect of sodium dodecyl sulfate surfactant concentrations on the novel strontium copper oxide nanostructures for enriching hydrogen evolution reaction electrochemical activity in alkaline solution	S Swathi, R Yuvakkumar, **G Ravi**, M Shanthini, Abdullah G Al-Sehemi, M Thambidurai, Hung D Nguyen, Dhayalan Velauthapillai	Journal of Alloys and Compounds, 928 **(2022)** 167001.	I	**6.37**
84.	Nickel and cobalt co-doped $MnCO_3$ nanostructures for water oxidation reaction	S Swathi, R Yuvakkumar, P Senthil Kumar,**G Ravi**, M Thambidurai, Cuong Dang, Dhayalan Velauthapillai,Dai-Viet N Vo	International Journal of Hydrogen Energy, 47,72 **(2022)** 30810-30818.	I	**7.139**
85.	Cost effective and facile low temperature hydrothermal fabrication of Cu_2S thin films for hydrogen evolution reaction in seawater splitting	T Marimuthu, R Yuvakkumar, P Senthil Kumar,**G Ravi,** Xueqing Xu, Dhayalan Velauthapillai, N Vo Dai Viet	International Journal of Hydrogen Energy, 47,72 **(2022)** 30819-30829.	I	**7.13**

86.	Hydrothermal construction of flower-like CuS microsphere electrocatalysts for hydrogen evolution reactions in alkaline fresh water, alkaline seawater, and seawater	Thandapani Marimuthu, Rathinam Yuvakkumar, **Ganesan Ravi**, Xueqing Xu, Gang Xu, Dhayalan Velauthapillai	International Journal of Energy Research, **(2022)**.	I	**4.67**
87.	Green synthesis of ZnO nanoparticles using Abutilon Indicum and Tectona Grandis leaf extracts for evaluation of anti-diabetic, anti-inflammatory and in-vitro cytotoxicity activities	K Muhil Eswari, S Asaithambi, M Karuppaiah,P Sakthivel, V Balaji, DK Ponelakkia, R Yuvakkumar, P Kumar, N Vijayaprabhu**, G Ravi**	Ceramics International, 22 **(2022)** 33624-33634.	I	**5.53**
88.	Fabrication of heterostructure NiO/ZnO thin film for pseudocapacitor application	G Vijaya Prasath, KS Usha, M Karuppaiah, **G Ravi,** P Krishnan	Journal of Sol-Gel Science and Technology, 104, 1 **(2022)** 198-210.	I	**2.60**
89.	Ag doped $ZnSnO_3$ nanocubes: Promotion on the charge storage mechanism for supercapacitors	B Jansi Rani, S Swathi, R Yuvakkumar, **G Ravi,** P Navaneethakrishnan, Abdullah G Al-Sehemi, Dhayalan Velauthapillai	Journal of Physics and Chemistry of Solids, 169 **(2022)** 110894.	I	**4.38**
90.	*Echinochloafrumentacea* gr ains extract mediated synthesis and characterization of iron oxide nanoparticles: A greener nano drug for potential biomedical applications	K Velsankar, G Parvathy, S Mohandoss,**G Ravi,** S Sudhahar	Journal of Drug Delivery Science and Technology, 7 6 **(2022)** 103799.	I	**5.60**
91.	Ionic Liquid Passivator for Mesoporous Titanium Dioxide Electron Transport Layer to Enhance the Efficiency and Stability of Hole Conductor-Free Perovskite Solar Cells	Mustafa KA Mohammed, Ali K Al-Mousoi, Sangeeta Singh, Umer Younis, Anjan Kumar, Davoud Dastan, **G Ravi**	Energy & Fuels, **(2022)**.	I	**4.65**
92.	Effect of Neodymium substitution on the structural, morphological and optical properties of yttrium oxide nanocrystals	P Anandan, R Sankar, V Selvakumar, T Saravanan, M Arivanandhan, Y Hayakawa, **G Ravi**	Materials Research Innovations , **(2022)** 1-10.	I	**2.12**
93.	Pre-eminent design and performance of hybrid diatomic sulphide materials for super capacitor applications	Ganesan Anandha Babu, Perumal Sakthivel, Ravuri Syamsai, Sankaiya Asaithambi, Murugesan Karuppiah, **Ganesan Ravi**, Mani Navaneethan	Interational Journal Of Energy Research, **(2022).**	I	**4.67**

94.	PVP-assisted grass-like NiSe@ZnSe composite for environmental energy applications	M Sangeetha Vidhya, R Yuvakkumar, **G Ravi,** Mehboobali Pannipara, Abdullah G Al-Sehemi, Dhayalan Velauthapillai	Journal of Materials Science: Materials in Electronics, 33 , 11 **(2022)** 8409-8416.	I	**2.77**
95.	Heterostructured $SmCoO_3$/rGO composite for high-energy hybrid supercapacitors	M Isacfranklin,RYuvakkumar, **G. Ravi**, SI Hong, Dhayalan Velauthapillai, M Thambidurai, Cuong Dang, Tahani Saad Algarni,Amal M Al-Mohaimeed	Carbon, 172 (**2021**) 613-623.	I	**11.30**
96.	Defect Induced in 3D-Rhombohedral $MnCO_3$ Microcrystals by Substitution of Transition Metals for Aqueous and Solid-State Hybrid Supercapacitors	Karuppaiah Murugesan, Sakthivel Perumal, Asaithambi Sankaiya, Krishna Bharat Lankamsetty, GoliNagaraju, Balamurugan Karuppannan, Yuvakkumar Rathinam, **Ravi Ganesan**	ACS Sustainable Chemistry & Engineering, 9 (**2021**) 1656-1668.	I	**9.22**
97.	PVP influence on Mn–CdS for efficient photocatalytic activity	SP Keerthana, R Yuvakkumar, **G. Ravi**, Abd El-Zaher MA Mustafa, Abdullah Ahmed Al-Ghamdi, Mohamed Soliman Elshikh, Dhayalan Velauthapillai	Chemosphere, 277 (**2021**) 130346.	I	**8.94**
98.	Influence of tin (Sn) doping on Co_3O_4 for enhanced photocatalytic dye degradation	SP Keerthana,R Yuvakkumar, P Senthil Kumar, **G. Ravi**, Dai-Viet N Vo, Dhayalan Velauthapillai	Chemosphere, 277 (**2021**) 130325.	I	**8.94**
99.	A strategy to enhance the photocatalytic efficiency of α-Fe_2O_3	SP Keerthana, R Yuvakkumar, **G. Ravi**, P Kumar, Mohamed Soliman Elshikh, Hussein H Alkhamis, Abdulwahed F Alrefaei, Dhayalan Velauthapillai	Chemosphere, 270 (**2021**) 129498.	I	**8.94**
100.	Cleaner production of Tamarind fruit shell into bio-mass derived porous 3D-activated carbon nanosheets by CVD technique for supercapacitor applications	V Thirumal, K Dhamodharan, R Yuvakkumar, **G. Ravi**, B Saravanakumar, M Thambidurai, Cuong Dang, Dhayalan Velauthapillai	Chemosphere, 282 (**2021**) 131033.	I	**8.94**
101.	Efficient photocatalytic degradation of hazardous pollutants by homemade kitchen blender novel technique via 2D-material of few-layer MXene nanosheets	V Thirumal, R Yuvakkumar, P Senthil Kumar,SP Keerthana, **G. Ravi**, D Velauthapillai, B Saravanakumar	Chemosphere, 281(**2021**) 130984.	I	**8.94**
102.	Annealing temperature effect on cobalt ferrite nanoparticles for photocatalytic degradation	S Swathi, R Yuvakkumar, P Senthil Kumar, **G. Ravi**, Dhayalan Velauthapillai	Chemosphere, 281 (**2021**) 130903.	I	**8.94**
103.	High-performance perovskite solar cells using the graphene quantum dot–	G Nagaraj, Mustafa KA Mohammed, Masoud Shekargoftar, P Sasikumar,	Materials Today Energy, 22 (**2021**)	I	**9.25**

	modified SnO_2/ZnO photoelectrode	P Sakthivel, **G. Ravi**, M Dehghanipour, Seckin Akin, Ahmed Esmail Shalan	100853.		
104.	Investigation of electrochemical performance of an efficient Ti_2O_3–CeO_2 nanocomposite for enhanced pollution-free energy conversion applications	S Swathi, R Yuvakkumar, P Senthil Kumar,**G. Ravi**, Dhayalan Velauthapillai	Journal of Environmental Management, 295 (**2021**) 113138.	I	**8.91**
105.	Preparation of Fe-SnO_2@ CeO_2 nanocomposite electrode for asymmetric supercapacitor device performance analysis	S Asaithambi, P Sakthivel, M Karuppaiah,R Yuvakkumar, K Balamurugan,Tansir Ahamad, MA Majeed Khan, G Ramalingam, Mustafa KA Mohammed, **G. Ravi**	Journal of Energy Storage, 36 (**2021**) 102402.	I	**8.90**
106.	Bi_2MoO_6 hierarchical microflowers for electrochemical oxygen evolution reaction	B JansiRani, R Yuvakkumar, **G. Ravi**, Mehboobali Pannipara, Abdullah G Al-Sehemi, Dhayalan Velauthapillai	International Journal of Hydrogen Energy, 46 (**2021**) 18719-18728.	I	**7.13**
107.	Preparation of $NiCo_2O_4$ microspheres employing hydrothermal approach	Subramanian Keerthana, Rathinam Yuvakkumar, **Ganesan Ravi**, Balasubramaniam Saravanakumar, Mehboobali Pannipara, Abdullah G Al-Sehemi, Dhayalan Velauthapillai	International Journal of Hydrogen Energy, 46 (**2021**) 17060-17070.	I	**5.75**
108.	Copper molybdate nanoparticles for electrochemical water splitting application	SP Keerthana, B Jansi Rani, R Yuvakkumar, **G. Ravi**, Yohi Shivatharsiny, E Sunil Babu, Hesham S Almoallim, Sulaiman Ali Alharbi, Dhayalan Velauthapillai	International Journal of Hydrogen Energy, 46 (**2021**) 7701-7711.	I	**5.75**
109.	La–Mo binary metal oxides for oxygen evolution reaction	B JansiRani, SP Keerthana, R Yuvakkumar, **G. Ravi**, Dhayalan Velauthapillai, Yohi Shivatharsiny, E Sunil Babu, Hesham S Almoallim, Sulaiman Ali Alharbi	International Journal of Hydrogen Energy, 46 (**2021**) 6197-6205.	I	**5.75**
110.	CuS@ β-SnS nanocomposite electrocatalysts for efficient electrochemical water oxidation	S Swathi, R Yuvakkumar, **G. Ravi**, SI Hong, Dhayalan Velauthapillai, M Thambidurai, Cuong Dang, Amal M Al-Mohaimeed, Wedad A Al-onazi	International Journal of Hydrogen Energy, 46 (**2021**) 3387-3400.	I	**5.75**
111.	Surfactant-assisted tungsten sulfide mesoporous sphere for hydrogen production	S Swathi, R Yuvakkumar, P Senthilkumar, **G. Ravi**, Dhayalan Velauthapillai	International Journal of Hydrogen Energy, (**2021**).	I	**7.13**
112.	Pristine and cobalt doped copper sulfide microsphere particles for seawater splitting	T Marimuthu, R Yuvakkumar, P Senthil Kumar, **G. Ravi**, Xueqing Xu, Gang Xu, Dhayalan Velauthapillai	International Journal of Hydrogen Energy, (**2021**).	I	**5.75**

113.	Electrochemical energy storage and conversion applications of $CoSn(OH)_6$ materials	M Isacfranklin, B Jansi Rani, P Senthil Kumar, R Yuvakkumar, **G. Ravi**, A Manigandan, M Thambidurai, Cuong Dang, Dhayalan Velauthapillai	International Journal of Hydrogen Energy, (**2021**).	I	**5.75**
114.	$NiMoO_4$ nanorods photocatalytic activity comparison under UV and visible light	Subramanian Keerthana, Balasubramanian Jansi Rani, Rathinam Yuvakkumar, **Ganesan Ravi**, Balasubramaniam Saravanakumar, Mehboobali Pannipara, Abdullah G Al-Sehemi, Dhayalan Velauthapillai	Environmental Research, 197 (**2021**) 111073.	I	**8.43**
115.	Rare earth metal (Sm) doped zinc ferrite ($ZnFe_2O_4$) for improved photocatalytic elimination of toxic dye from aquatic system	SP Keerthana,R Yuvakkumar, P Senthil Kumar, **G. Ravi**, Dhayalan Velauthapillai	Environmental Research, 197 (**2021**) 111047.	I	**8.43**
116.	Investigation on (Zn) doping and anionic surfactant (SDS) effect on SnO_2 nanostructures for RhB dye degradation	SP Keerthana, R Yuvakkumar, **G. Ravi**, M Manimegalai, Mehboobali Pannipara, Abdullah G Al-Sehemi, Ramu Adam Gopal, Marlia M Hanafiah, Dhayalan Velauthapillai	Environmental Research, 199 (**2021**) 111312.	I	**8.43**
117.	Facile synthesis of a heterostructured lanthanum-doped SnO_2 anchored with rGO for asymmetric supercapacitors and photocatalytic dye degradation	S. Asaithambi, P. Sakthivel, M. Karuppaiah, V. Balaji, R. Yuvakkumar, Dhayalan Velauthapillai, **G. Ravi**	New Journal of Chemistry, 45 **(2021)** 22497-22513.	I	**3.92**
118.	Anionic surfactant assisted copper hydroxide for toxic dye removal from wastewater	SP Keerthana, R Yuvakkumar, P Senthil Kumar, **G. Ravi**, Dhayalan Velauthapillai	Environmental Research, 199 (**2021**) 111310.	I	**8.43**
119.	Pure and Ce-doped spinel $CuFe_2O_4$ photocatalysts for efficient rhodamine B degradation	SP Keerthana, R Yuvakkumar, **G. Ravi**, S Pavithra, M Thambidurai, Cuong Dang, DhayalanVelauthapillai	Environmental Research, (**2021**) 111528.	I	**8.43**
120.	Hydrothermally synthesized α-MnS nanostructures for electrochemical water oxidation and photocatalytic hydrogen production	S Swathi, R Yuvakkumar, P Senthil Kumar, **G. Ravi**, DhayalanVelauthapillai	Fuel, 303 (**2021**) 121293.	I	**8.03**
121.	Heterostructured two dimensional materials of MXene and graphene by hydrothermal method for efficient hydrogen production and HER activities	V.Thirumal,R.Yuvakkumar, P. SenthilKumar,**G.Ravi**, A.Arund,Ramesh K.Guduru, Dhayalan Velauthapillai	International Journal of Hydrogen Energy.	I	**7.13**

122.	Ethylene glycol assisted $MnCO_3$ electrocatalyst for water oxidati hydrogen production application	S Swathi, R Yuvakkumar, P Senthil Kumar,**G. Ravi**, Dhayalan Velauthapillai, Dai-Viet N Vo	Fuel, 302 (**2021**) 121151.	I	**8.03**
123.	Hexamethylenetetramine concentration effect on $CaWO_4$ for electrochemical hydrogen evolution reaction activity	S Swathi, R Yuvakkumar, P Senthil Kumar, **G. Ravi**, Dhayalan Velauthapillai	Fuel, 306 (**2021**) 121781.	I	**8.03**
124.	The bifunctional performance analysis of synthesized Ce doped SnO_2/g-C_3N_4 composites for asymmetric supercapacitor and visible light photocatalytic applications	S Asaithambi, P Sakthivel, M Karuppaiah, R Yuvakkumar, DhayalanVelauthapillai, Tansir Ahamad, MA Majeed Khan, Mustafa KA Mohammed, N Vijayaprabhu, **G. Ravi**	Journal of Alloys and Compounds, 866 (**2021**) 158807.	I	**6.37**
125.	Hydrogen free direct growth carbon nanorod as a promising electrode in symmetric supercapacitor applications	M Isacfranklin, RYuvakkumar, P Senthil Kumar, V Thirumal, **G. Ravi**, Dhayalan Velauthapillai	Progress in Organic Coatings, 158 (**2021**) 106379.	I	**5.16**
126.	Direct growth of multilayered graphene nanofibers by chemical vapour deposition and their binder-free electrodes for symmetric supercapacitor devices	V Thirumal, R Yuvakkumar, P Senthil Kumar, **G. Ravi**, Dhayalan Velauthapillai	Progress in Organic Coatings, 161 (**2021**) 106511.	I	**5.16**
127.	Improved stability of ambient air-processed methylammonium lead iodide using carbon nanotubes for perovskite solar cells	Gabby Sarusi, P Sakthivel, **G. Ravi**, Umer Younis	Materials Research Bulletin, 137 (**2021**) 111182.	I	**5.6**
128.	An approach to enhance the photocatalytic activity of $ZnTiO_3$	R Abirami,TS Senthil, SP Keerthana, R Yuvakkumar, **G. Ravi**, Mehboobali Pannipara, Abdullah G Al-Sehemi	Ceramics International, 47 (**2021**) 18122-18131.	I	**5.53**
129.	Demonstration of 1.5 V asymmetric supercapacitor developed using $MnSe_2$-$CoSe_2$ metal composite	M Sangeetha Vidhya, R Yuvakkumar, **G. Ravi**, E Sunil Babu, B Saravana kumar, OmaimaNasif, Sulaiman Ali Alharbi, Dhayalan Velauthapillai	Ceramics International, 47 (**2021**) 11786-11792.	I	**5.53**
130.	Orthorhombic tantalum pentoxide nanorods for electrochemical applications	S Swathi, R Yuvakkumar, **G. Ravi**, P Kumar, SI Hong, OmaimaNasif, Sulaiman Ali Alharbi, Dhayalan Velauthapillai	Ceramics International, 47 (**2021**) 15253-15259	I	**5.53**
131.	Branched and unbranched ZnO nanorods grown via chemical vapor deposition for photoelectrochemical water-splitting applications	S Swathi, E Sunil Babu, R Yuvakkumar, **G. Ravi**, Arunachalam Chinnathambi, Sulaiman Ali Alharbi, Dhayalan Velauthapillai	Ceramics International, 47 (**2021**) 9785-9790.	I	**5.53**

132.	Hybrid NiO-CoO nanocomposite for high energy supercapacitor applications	M Isacfranklin, RYuvakkumar, **G. Ravi**, P Kumar, SI Hong, E Sunil Babu, Dhayalan Velauthapillai, Hesham S Almoallim, Sulaiman Ali Alharbi	Ceramics International, 47 (**2021**) 8486-8489.	I	**5.53**
133.	Morphological exploration of chemical vapor–deposited P-doped ZnO nanorods for efficient photoelectrochemical water splitting	S Swathi, R Yuvakkumar, **G. Ravi**, E Sunil Babu, Dhayalan Velauthapillai, Sulaiman Ali Alharbi	Ceramics International, 47 (**2021**) 6521-6527.	I	**5.53**
134.	Effect of Nd^{3+} doping on CdO nanoparticles for supercapacitor applications	K Dhamodharan, RYuvakkumar, V Thirumal, **G. Ravi**, M Isacfranklin, Sulaiman Ali Alharbi, Tahani AwadAlahmadi, Dhayalan Velauthapillai	Ceramics International, 47 (**2021**) 30790-30796.	I	**5.53**
135.	Superior supercapacitive performance of Cu_2 $MnSnS_4$ asymmetric devices	M Isacfranklin, RYuvakkumar, **G. Ravi**, Dhayalan Velauthapillai, Mehboobali Pannipara, Abdullah G Al-Sehemi	Nanoscale Advances, 3 (**2021**) 486-498.	I	**5.59**
136.	Asymmetric polyhedron structured $NiSe_2$@ $MoSe_2$ device for supercapacitor	M Sangeethavidhya, Rathinam Yuvakkumar, **Ganesan Ravi**, Saravanakumar Balasubramaniam, Dhayalan Velauthapillai	Nanoscale Advances, 3 (**2021**) 4207-4215.	I	**5.59**
137.	Hydrothermal synthesis of Cu_2Se–CoSe nanograin for electrochemical supercapacitor applications	M Sangeetha Vidhya, R Yuvakkumar, **G. Ravi**, Mehboobali Pannipara, Abdullah G Al-Sehemi, Dhayalan Velauthapillai	Applied Nanoscience, 11 (**2021**) 1881-1886	I	**3.86**
138.	Engineering Architecture of 3D-Urchin-like Structure and 2D-Nanosheets of Bi_2S_3@g-C_3N_4 as the Electrode Material for a Solid-State Symmetric Supercapacitor	Murugesan Karuppaiah, Xavier Benadict Joseph, Sea-Fue Wang, Balasubramanian Sriram, G Antilen Jacob, **Ganesan Ravi**	Energy & Fuels, 35 (**2021**) 12569-12580.	I	**4.65**
139.	Quaternary Cu_2FeSnS_4/PVP/rGO Composite for Supercapacitor Applications	Melkiyur Isacfranklin, Rathinam Yuvakkumar, **Ganesan Ravi**, Balasubramaniam Saravanakumar, Mehboobali Pannipara, Abdullah G Al-Sehemi, Dhayalan Velauthapillai	ACS omega, 6 (**2021**) 9471-9481.	I	**4.13**
140.	Anti-cancer applications of Zr, Co, Ni-doped ZnO thin nanoplates	M Sangeetha Vidhya, Fuad Ameen, Turki Dawoud, R Yuvakkumar, **G. Ravi**, P Kumar,Dhayalan Velauthapillai	Materials Letters, 283 (**2021**) 128760.	I	**3.57**
141.	High performance MnSn $(OH)_6$ electrodes for energy conversion application	B JansiRani, R Yuvakkumar, **G. Ravi**, P Kumar,E Sunil Babu, B Saravanakumar, Dhayalan Velauthapillai	Materials Letters, 282 (**2021**) 128888.	I	**3.57**

142.	$CuCoO_2$ electrodes for supercapacitor applications	M Isacfranklin,R.Yuvakkumar, **G. Ravi**, Mehboobali Pannipara,Abdullah G Al-Sehemi	Materials Letters, 296 (**2021**) 129930.	I	**3.57**
143.	Growth of $ZnSe_xO_{1-x}$ Nanorods and Their Photoelectrochemical Properties	Srinivasan Swathi, Eadi Sunil Babu, Rathinam Yuvakkumar, **Ganesan Ravi**, Mehboobali Pannipara,Abdullah G Al-Sehemi,DhayalanVelauthapillai	Energy & Fuels, 35 (**2021**) 6289–6297.	I	**4.65**
144.	Effect of cationic, anionic, and mixed surfactant role on manganese oxide nanoparticles for energy storage applications	M Isacfranklin,R.Yuvakkumar, **G. Ravi**, E Sunil Babu, Mehboobali Pannipara, Abdullah G Al-Sehemi, Dhayalan Velauthapillai	Applied Nanoscience, 11 (**2021**) 1769-1775.	I	**3.86**
145.	Cobalt-based derivatives oxygen evolution reaction	S Swathi, B Jansi Rani, R Yuvakkumar, **G. Ravi**, E Sunil Babu, Mehboobali Pannipara,Abdullah G Al-Sehemi, Dhayalan Velauthapillai	Applied Nanoscience, 11 (**2021**) 1367-1378.	I	**3.86**
146.	Biomedical application of single anatase phase TiO_2 nanoparticles with addition of Rambutan (Nephelium lappaceum L.) fruit peel extract	M Isacfranklin,R.Yuvakkumar, **G. Ravi**, P Kumar, B Saravanakumar, Dhayalan Velauthapillai, Tahani AwadAlahmadi, Sulaiman Ali Alharbi	Applied Nanoscience, 11 (**2021**) 699-708.	I	**3.86**
147.	Investigation of EG-Bi_2S_3 nanorods photocatalytic activity under visible light for dye degradation from aquatic system	Subramanian Keerthana, Rathinam Yuvakkumar, Ponnnusamy Senthil Kumar, **Ganesan Ravi**, Dhayalan Velauthapillai, Dai-Viet Nguyen Vo	Environmental Science and Pollution Research, (**2021**) 1-9.	I	**5.19**
148.	Energy Storage Applications of $CdMoO_4$ Microspheres	M Isacfranklin,R.Yuvakkumar, **G. Ravi**, E Sunil Babu, Dhayalan Velauthapillai, M Thambidurai, Cuong Dang, Tahani Saad Algarni, Amal M Al-Mohaimeed	The Journal of The Minerals, Metals & Materials Society, 73 (**2021**) 1546-1551.	I	**2.59**
149.	Solvothermal synthesis of $CoMoO_4$ nanostructures for electrochemical applications	B JansiRani, S Swathi, R Yuvakkumar, **G. Ravi**, P Kumar, E Sunil Babu, Saleh Alfarraj, Sulaiman Ali Alharbi, Dhayalan Velauthapillai	Journal of Materials Science: Materials in Electronics, 32 (**2021**) 5989-6000.	I	**2.77**
150.	Iron doped vanadium sulfide anemone like nanorod structure for electrochemical water oxidation	S Swathi, R Yuvakkumar, **G. Ravi**, SI Hong, E Sunil Babu, Dhayalan Velauthapillai, Tahani Saad Algarni, Amal M Al-Mohaimeed	Current Applied Physics, 21 (**2021**) 192-198.	I	**2.85**

151.	Visible Light Induced Photocatalytic Performance of Mn-SnO_2@ ZnO Nanocomposite for High Efficient Cationic Dye Degradation	S Asaithambi, P Sakthivel, M Karuppaiah,V Balaji, R Yuvakkumar, **G. Ravi**	Journal of Materials Science: Materials in Electronics, 32 (**2021**) 22168–22186.	I	**2.77**
152.	Cobalt Vanadium Oxide Nanoclusters for Oxygen Evolution Reaction	SP Keerthana, R Yuvakkumar, **G. Ravi**, Mehboobali Pannipara, Abdullah G Al-Sehemi, Dhayalan Velauthapillai	ECS Journal of Solid State Science and Technology, 10 (**2021**) 071003.	I	**2.11**
153.	CTAB Cationic Surfactant Assisted $NiCO_3$ Electrocatalyst for Electrochemical Water Splitting Applications	S Swathi, R Yuvakkumar, **G. Ravi**, TS Senthil, Mehboobali Pannipara, Abdullah G Al-Sehemi, Dhayalan Velauthapillai	ECS Journal of Solid State Science and Technology (**2021**)	I	**2.11**
154.	Easy axis orientation dependence of the micromagnetic properties of CrO_2 nanodiscs	K Balamurugan, **G. Ravi**	Bulletin of Materials Science, 44 (**2021**) 1-8.	I	**1.39**
155.	Surface functionalization of core-shell QDs for solar photovoltaic and anti-cancer applications	B Arjun Kumar, P Kumar, T Elangovan, G Ramalingam, **G. Ravi**, P Mohana priya, TS Natarajan	Applied Surface Science Advances, 5 (**2021**) 100122	I	**7.39**
156.	Nickel iron oxide electrocatalysts for electrochemical OER activity	SP.Keerthana, R.Yuvakumar, **G.Ravi**, T.S Senthil, Mehboobali pannipara, Abdullah G.AI -Sehemi, Dhayalan velauthapillai.	Applied nanoscience 11, **(2021)** 2669–2677	I	**3.86**
157.	Portable Network Graphics Approach to the Authentication of Halftone Images with Henon Map Encryption	G RajKumar, G Udhaya Sankar, **G. Ravi,**C Ganesa Moorthy, S Sekar	Smart Science, 8 (**2020**) 50-60.	I	**Scopus**
158.	Ni doped Bi_2WO_6 for electrochemical OER activity	SP Keerthana, B Jansi Rani, **G. Ravi**, R Yuvakkumar, SI Hong, Dhayalan Velauthapillai, B Saravanakumar, M Thambidurai, Cuong Dang	International Journal of Hydrogen Energy, 45 **(2020)** 18859-18866.	I	**7.13**
159.	Improved optoelectronic properties of Gd doped cadmium oxide thin films through optimized film thickness for alternative TCO applications	P Sakthivel, S Asaithambi, M Karuppaiah, R Yuvakkumar, Y Hayakawa, **G. Ravi**	Journal of Alloys and Compounds, 820 **(2020)** 153188.	I	**6.37**
160.	Investigation of electrochemical properties of various transition metals doped SnO_2 spherical nanostructures for supercapacitor applications	S Asaithambi, P Sakthivel, M Karuppaiah,G Udhaya Sankar, K Balamurugan, R Yuvakkumar, M Thambidurai**, G. Ravi**	Journal of Energy Storage, 31 **(2020)** 101530.	I	**8.90**

161.	Synthesis of self-assembled micro/nano structured manganese carbonate for high performance, long lifespan asymmetric supercapacitors and investigation of atomic-level intercalation properties of OH^- ions via first principle calculation	M. Karuppaiah, R. Akilan, P. Sakthivel, S. Asaithambi, R. Shankar, R. Yuvakkumar, Y. Hayakawa, **G. Ravi**	Journal of energy storage 27 (**2020**) 101138.	I	**8.90**
162.	Designing rational and cheapest SeO_2 electrocatalyst for long stable water splitting process	S.Swathi, B.JansiRani, **G.Ravi**, R.Yuvakkumar, S.I.Hong, S.Dhayalan Velauthapillai, B.Saravanakumar, M.Thambidurai, CuongDang	Journal of Physics and Chemistry of Solids,145 **(2020)** 109544	I	**4.38**
163.	Neutral and alkaline chemical environment dependent synthesis of Mn_3O_4 for oxygen evolution reaction (OER).	B. JansiRani, **G.Ravi**, R.Yuvakkumar, S.I.Hong, Dhayalan Velauthapillai, M.Thambidurai, CuongDang, B.Saravanakumar	Materials Chemistry and Physics, 247 (**2020**) 122864.	I	**4.77**
164.	Energy storage performance of $CoNiSe_2$ nanostructures	M.Sangeetha Vidhya, **G.Ravi**, R.Yuvakkumar,M.Thambidurai CuongDang,Mehboobali Pannipara,Abdullah G.Al-Sehemi,Dhayalan Velauthapillai	Materials Letters, 279 (**2020**) 128485.	I	**3.57**
165.	In situ hydrothermal growth of SnS/Ni foam for electrochemical energy storage and conversion	B Jansi Rani, SP Keerthana, **G. Ravi**, R Yuvakkumar, Dhayalan Velauthapillai, M Thambidurai, Cuong Dang	Materials Letters, 273 (**2020**) 127958.	I	**3.57**
166.	Photoelectrochemical activity of copper vanadate nanostructures	B Jansi Rani, **G. Ravi**, R Yuvakkumar, M Praveen Kumar, S Ravichandran, DhayalanVelauthapillaic, M Thambidurai, Cuong Dang	Materials Letters, 274 (**2020**) 127996.	I	**3.57**
167.	Ni supported anorthic phase $FeVO_4$ nanorods for electrochemical water oxidation	B Jansi Rani**, G. Ravi**, R Yuvakkumar, P Kumar, SI Hong, Dhayalan Velauthapillai, M Thambidurai, Cuong Dang	Materials Letters, 275 (**2020**)128091.	I	**3.57**
168.	Functional reduced graphene oxide/cobalt hydroxide composite for energy storage applications	M Sangeetha Vidhya, **G. Ravi**, R Yuvakkumar, Dhayalan Velauthapillai, M Thambidurai, Cuong Dang B Saravanakumar, Asad Syed, Turki Dawoud	Materials Letters, 276 (**2020)** 128193.	I	**3.57**
169.	Fabrication and electrochemical OER activity of Ag doped MoO_3 nanorods	B.Jansi Rani, **G.Ravi,** R.Yuvakkumar, Fuad Ameen, SalehAlNadhari, S.I.Hong.	Materials Science in Semiconductor Processing, 107 **(2020)** 104818.	I	**4.64**

170.	Nickel–cobalt hydroxide: a positive electrode for supercapacitor applications	M Sangeetha Vidhya, **G. Ravi**, R Yuvakkumar, Dhayalan Velauthapillai, M Thambidurai, Cuong Dang, B Saravanakumar	RSC Advances, 10 (**2020**) 19410-19418.	I	**4.03**
171.	Fabrication of Gd_2O_3 Nanosheet-Modified Glassy Carbon Electrode for Nonenzymatic Highly Selective Electrochemical Detection of Vitamin B2	Gandhi Vijayaprasath, Imran Habibulla, Venkataraman Dharuman, Subramanian Bala subramanian, **Ravi Ganesan**	ACS omega, 5 (**2020**) 17892-17899.	I	**4.13**
172.	$CoNiSe_2$ Nanostructures for Clean Energy Production	Balasubramanian Jansi Rani, **Ganesan Ravi**, Rathinam Yuvakkumar,Balasubramaniam Saravanakumar, Mariyappan Thambidurai,Cuong Dang, Dhayalan Velauthapillai	ACS Omega, 5 **(2020)** 14702.	I	**4.13**
173.	Facile hydrothermal synthesis of $CuCo_2O_4$/AC/PANI nanocomposites	B. Saravanakumar,**G. Ravi**, Ramesh K. Guduru, R. Yuvakkumar	Journal of Sol-Gel Science and Technology, 94 (**2020**) 241–250.	I	**2.60**
174.	Synthesis of $X_3(PO_4)_2$ [X = Ni, Cu, Mn] Nanomaterials as an Efficient Electrode for Energy Storage Applications	B. Saravanakumar, A. Haritha, **G. Ravi**, R. Yuvakkumar	Journal of nanoscience and nano technology, 20 **(2020)** 2813-2822.	I	**1.35**
175.	$MnFe_2O_4$ nanoparticles as an efficient electrode for energy storage applications	B Saravanakumar, SP Ramachandran, **G. Ravi**, V Ganesh, Ramesh K Guduru, A Sakunthala, R Yuvakkumar	Journal of nanoscience and nano technology, 20 **(2020)** 96-105.	I	**1.35**
176.	Morphology-dependent photoelectrochemical and photocatalytic performance of γ-Bi_2O_3 nanostructures	B Jansi Rani, Eadi Sunil Babu, M Praveenkumar, SRavichandran, **G. Ravi**, R Yuvakkumar.	Journal of nanoscience and nano technology, 20 **(2020)** 143-154.	I	**1.35**
177.	Efficient and stable planar perovskite solar cells using co-doped tin oxide as the electron transport layer	P Sakthivel, Shini Foo, M Thambidurai, PC Harikesh, Nripan Mathews, RYuvakkumar, **G. Ravi**, Cuong Dang	Journal of Power Sources, 471 (**2020**) 228443.	I	**9.79**
178.	Synthesis and characterization of various transition metals doped SnO_2@MoS_2 composites for supercapacitor and photocatalytic applications	S Asaithambi, P Sakthivel, M Karuppaiah,K Balamurugan, R Yuvakkumar, M Thambidurai**, G. Ravi**	Journal of Alloys and Compounds, 853 (**2020**) 157060.	I	**6.37**
179.	Investigation on copper based oxide, sulfide and selenide derivatives oxygen evolution reaction activity	B. Jansi Rani, **G. Ravi**, R. Yuvakkumar, Dhayalan Velauthapillai, B. Saravanakumar, Amal M. Al-Mohaimeed	Applied Nanoscience, 10 (**2020**).	I	**3.86**

180.	Cancer targeting potential of bioinspired chain like magnetite (Fe_3O_4) nanostructures	S Swathi, Fuad Ameen, **G. Ravi**, R Yuvakkumar, SI Hong, Dhayalan Velauthapillai, Muneera DF AlKahtani, M Thambidurai, Cuong Dang	Current Applied Physics, 20 (**2020**) 982-987.	I	**2.85**
181.	Hydrothermal Method–Derived $MnMoO_4$ Crystals: Effect of Cationic Surfactant on Microstructures and Electrochemical Properties	Melkiyur Isacfranklin, Balasubramaniam Jansi Rani, **G. Ravi**, Rathinam Yuvakkumar, Sun Ig Hong , Dhayalan Velauthapillai, Balasubramaniam Saravanakumar.	Chemistry select, 5 (**2020**) 7728-7733.	I	**2.30**
182.	Elevated energy density and cycle stability of α-Mn_2O_3 3D-microspheres with addition of neodymium dopant for pouch-type hybrid supercapacitors	M Karuppaiah, P Sakthivel, S Asaithambi, L Krishna Bharat, Goli Nagaraju, Tansir Ahamad, K Balamurugan, R Yuvakkumar, **G. Ravi**	Electrochimica Acta, 362 (**2020**) 137169.	I	**7.33**
183.	Binder free, robust and scalable CuO@GCE modified electrodes for efficient electrochemical water oxidation	B JansiRani, **G. Ravi**, R Yuvakkumar, Zinab M Hasan,S Ravichandran,SI Hong	Materials Chemistry and Physics, 239 (**2020**) 122321.	I	**4.77**
184.	Marigold flower like structure Cu_2NiSnS_4 electrode for high energy asymmetric solid state supercapacitors	M.IsacFranklin, **G.Ravi,** Rathinam Yuvakkumar, SI Hong, Dhayalan Velauthapillai, M Thambidurai	Scientific Reports, 10 (**2020**) 19198.	I	**4.99**
185.	Facile Synthesis and Defect Optimization of Hexagonal 2D- Layered MoS_2 Decorated on Spherical Shape TiO_2 Heterojunction Nanostructure for the Decomposition of Industrial Effluent from Waste Water	G.Ramalinkam, C.Maria Magdalane, B.Arjunkumar, Naresh Kumar Rotte, Joice Sophia Ponraj, **G.Ravi**, Atanas Ivanov, Nadarajah Manivannan, M. Rajesh Kumar, Joao Gaspar	Scientific Reports, 10 (**2020**) 21625.	I	**4.99**
186.	Supercapacitor and OER activity of transition metal (Mo, Co, Cu) sulphides	B Jansi Rani, SS Pradeepa, Zinab M Hasan, **G. Ravi**, R Yuvakkumar, SI Hong	Journal of Physics and Chemistry of Solids, 138 (**2020**) 109240.	I	**4.38**
187.	Silver-doped cadmium sulfide for electrochemical water oxidation	Srinivasan Swathi, Rathinam Yuvakkumar, **Ganesan Ravi,** Eadi Sunil Babu, Dhayalan Velauthapillai, Asad Syed, Turki MS Dawoud	Applied Nanoscience, 10 (**2020**) 4351-4358.	I	**3.86**
188.	Improving interfacial contact between zinc oxide and mixed cation perovskite using carbon nanotubes for ambient-air processed perovskite solar cells	Mustafa K. A. Mohammed, Masoud Dehghanipour, Umer Younis, Ahmed Esmail Shalan, P. Sakthivel, **G. Ravi**, Pravin H. Bhoite Jan Pospisil	New Journal of Chemistry, 44 (**2020**) 19802-19811.	I	**3.92**

189.	Electrochemical water splitting exploration of $MnCo_2O_4$, $NiCo_2O_4$ cobaltites	B Jansi Rani, R Yuvakkumar, **G. Ravi**, SI Hong, Dhayalan Velauthapillai, Ramesh K Guduru, M Thambidurai, Cuong Dang, Wedad A Al-onazi, Amal M Al-Mohaimeed	New Journal of Chemistry, 44 (**2020**) 17679-17692.	I	**3.92**
190.	Electrochemical Oxygen Evolution Reaction Activity of Tin Sulfide Nanostructures	Subramanian Keerthana, Balasubramanian Jansi Rani, Rathinam Yuvakkumar, **Ganesan Ravi**, Sun Ig Hong, Balasubramaniam Saravanakumar, Dhayalan Velauthapillai, Amal M Al-Mohaimeed, Tahani Saad Algarni	Chemistry Select, 37 (**2020**) 11703-11707.	I	**2.30**
191.	Nickel, bismuth, and cobalt vanadium oxides for supercapacitor applications	M.Isacfranklin, C.Deepika, **G.Ravi**, R.Yuvakkumar, Dhayalan Velauthapillai, B.Saravanakumar	Ceramics International, 46 (**2020**) 28206-28210.	I	**5.53**
192.	Synthesis of highly active biocompatible ZrO_2 nanorods using a bioextract	M.Isacfranklin, TurkiDawoud, FuadAmeen,**G.Ravi**, R.Yuvakkumar, P.Kumar, S.I.Hong,Dhayalan Velauthapillai, B.Saravanakumar	Ceramics International, 46 (**2020**) 25915-25920.	I	**5.53**
193.	Y_2O_3 nanorods for cytotoxicity evaluation	M Isacfranklin, Fuad Ameen, **G. Ravi**, R Yuvakkumar, SI Hong, Dhayalan Velauthapillai,Muneera DF AlKahtani, M Thambidurai, Cuong Dang	Ceramics International, 46 (**2020**) 20553-20557.	I	**5.53**
194.	Water-splitting application of orthorhombic molybdite α-MoO_3 nanorods	S Swathi, **G. Ravi**, R Yuvakkumar, SI Hong, E Sunil Babu, Dhayalan Velauthapillai, P Kumar	Ceramics International, 46 (**2020**) 23218-23222.	I	**5.53**
195.	Single-phase Cr_2O_3 nanoparticles for biomedical applications	M Isacfranklin, Fuad Ameen, **G. Ravi**, R Yuvakkumar, SI Hong,Dhayalan Velauthapillai, M Thambidurai, Cuong Dang	Ceramics International, 46 **(2020)** 19890-19895.	I	**5.53**
196.	Urchin like $NiCo_2O_4$/rGO nano composite for high energy asymmetric storage applications	M Isacfranklin, **G. Ravi**, R Yuvakkumar,P Kumar, Dhayalan Velauthapillai, B Saravanakumar, M Thambidurai, Cuong Dang	Ceramics International, 46 **(2020)** 16291-16297.	I	**5.53**
197.	Improved photocatalytic performance of nanostructured SnO_2 via addition of alkaline earth metals (Ba^{2+}, Ca^{2+} and Mg^{2+}) under visible light irradiation	S Asaithambi, P Sakthivel, M Karuppaiah, Y Hayakawa, A Loganathan, **G. Ravi**	Applied Physics A, 126 **(2020)** 1-12.	I	**2.98**

198.	Synthesis and characterizationof Mn_3O_4/ $MnSnO_3$ nanocomposites for supercapacitor applications	R. Shobana, B. Saravanakumar, **G. Ravi**, V. Ganesh R. Yuvakkumar	International Journal of Plastics Technology 24 **(2020)** 1-2.	I	---
199.	Low-temperature synthesis of micro- and nano-crystalline $CuFeS_2$ polymorphs	Balamurugan Karuppannan, Jacqueline L.Sturgeon, Kristin L.Bunker, Karen E.Harris, **Ravi Ganesan**, Jennifer A.Aitken	SN Applied Sciences, 2 (**2020**) 1931	I	---
200.	Sn doped α-Fe_2O_3(Sn=0,10,20,30 wt%) photoanodes for photoelectrochemical water splitting applications	B. Jansi rani, **G. Ravi**, R. Yuvakkumar, S. Ravichandran, Fuad ameen, Alnadhary	Renewable Energy, 133 **(2019)** 566-574.	I	**8.63**
201.	Electrochemical and photoelectrochemical water oxidation of solvothermally synthesized Zr-doped α-Fe_2O_3 nanostructures	B. Jansi Rani, M. Praveen Kumar, **G. Ravi,** S. Ravichandran, Ramesh K. Guduru, R. Yuvakkumar.	Applied Surface Science, 471 (**2019**)733-744.	I	**7.39**
202.	Solvent dependent morphological modification of micro-nano assembled Mn_2O_3/NiO composites for high performance supercapacitor applications	M. Karuppaiah, P. Sakthivel, S. Asaithambi, R. Murugan, G.Anandha babu, R. Yuvakkumar, **G. Ravi.**	Ceramics International 45 (**2019**) 4298-4307.	I	**5.53**
203.	Ultrafine M-doped TiO_2 (M= Fe, Ce, La) nanosphere photoanodes for photo electro chemical water-splitting applications	B Jansi Rani, M Praveenkumar, S Ravichandran, V Ganesh, Ramesh K Guduru, **G. Ravi**, R Yuvakkumar	Materials Characterization, 152 **(2019)** 188-203.	I	**4.53**
204.	Impact of l-Arginine and l-Histidine on the structural, optical and antibacterial properties of mg doped ZnO NPs tested against extended-spectrum beta-lactamases (ESBLs) producing Escherichia coli	Abdulrahman Syedahamed Haja Hameed,GoldaLouis, Chandrasekaran, Karthikeyan, NooruddinThajuddin **Ganesan Ravi.**	Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy, 211 **(2019)** 373-382.	I	**4.83**
205.	Formation of one dimensional nanorods with microsphere of $MnCO_3$ using Ag as dopant to enhance the performance of pseudocapacitors	M. Karuppaiah, P. Sakthivel, S. Asaithambi,R. Murugan, R. Yuvakkumar, **G. Ravi.**	Materials Chemistry and Physics, 228 (**2019**) 1-8.	I	**4.77**
206.	WO_3nanocubes for photoelectrochemical water-splitting applications	B.Jansi Rani, M.Praveen Kumar, S. Ravichandran, **G. Ravi**,V. Ganesh, Ramesh K.Guduru, R. Yuvakkumar, S.I. Hong	Journal of Physics and Chemistry of Solids, 134 (**2019**) 149-156.	I	**4.38**
207.	Radio frequency magnetron sputtered CdO thin films for optoelectronic applications	P. Sakthivel, R. Murugan, S. Asaithambi, M. Karuppaiah, S.Rajendran, **G. Ravi**	Journal of Physics and Chemistry of Solids, 126 **(2019)** 1-10.	I	**4.38**

208.	Superior electrochemical water oxidation of novel NiS@FeS_2 nanocomposites	B.Jansi Rani, P. Aiswarya kanjana,**G. Ravi**, R. Yuvakkumar, B Saravanakumar	Materials Science in Semiconductor Processing, 101 **(2019)** 174-182.	I	**4.64**
209.	Synthesis of polyoxometalates, copper molybdate ($Cu_3Mo_2O_9$) nanopowders, for energy storage applications	B.Saravanakumar, **G. Ravi,** R.Yuvakkumar,V.Ganesh, Ramesh K.Guduru.	Materials Science in Semiconductor Processing, 93 (**2019**) 164-172.	I	**4.64**
210.	Electrochemical performances of monodispersed spherical $CuFe_2O_4$ nanoparticles for pseudocapacitive applications	B.Saravanakumar, S.P.Ramacahndran, **G. Ravi**, V.Ganesh,Ramesh,K.Guduru, R.Yuvakkumar	Vacuum 168, (**2019**) 108798.	I	**4.11**
211.	Novel $SmMn_2O_5$ hollow long nano-cuboids for electrochemical supercapacitor and water splitting applications	B. Jansi Rani, **G. Ravi** , R. Yuvakkumar,S.I. Hong	Vacuum 166 **(2019)** 279–285.	I	**4.11**
212.	Nanocomposite based on restacked crystallites of β-NiS and Ppy for the determination of theophylline and uric acid on screen-printed electrodes	P. Muthukumaran, R. Ramya, P. Thivya, J. Wilson, **G. Ravi.**	New Journal of Chemistry, 43 **(2019)** 19397-19407.	I	**3.92**
213.	Electrochemical Performance of β-Nis@$Ni(OH)_2$ Nanocomposite for Water Splitting Applications	Balasubramanian Jansi Rani, Nagasundaram Dhivya, **Ganesan Ravi**, Shankar acharya S. Zance, Rathinam Yuvakkumar,Sun Ig Hong	ACS Omega, 4 (**2019**) 10302-10310.	I	**4.13**
214.	Bi_2WO_6 and $FeWO_4$ Nanocatalysts for the Electrochemical Water Oxidation Process	Balasubramanian Jansi Rani, **Ganesan Ravi,** Rathinam Yuvakkumar, M Praveenkumar, Subbiah Ravichandran, Paulpandian Muthu Mareeswaran, Sun Ig Hong	ACS Omega, 4**(2019)**, 5241-5253.	I	**4.13**
215.	Hydrothermal synthesis and electrochemical properties of $ZnCo_2O_4$ microspheres	B.Saravanakumar, **G. Ravi**, R. Yuvakkumar, V. Ganesh, S. Ravichandran, M. Thambidurai, A. Sakunthala.	Ionics, 25 (**2019**) 353-360	I	**2.9**
216.	Transition mixed-metal molybdates ($MnMoO_4$) as an electrode for energy storage applications	B. Saravanakumar, S.P.Ramachandran, **G. Ravi,** V. Ganesh, A. Sakunthala, R. Yuvakkumar.	Applied Physics A, 125 **(2019)** 1-6.	I	**2.98**
217.	Different rare earth (Sm, La, Nd) doped magnetron sputtered CdO thin films for optoelectronic applications	P. Sakthivel, S. Asaithambi, M. Karuppaiah, S.Sheik Fareed,R. Yuvakkumar, **G. Ravi.**	Journal of Materials Science: Materials in Electronics, 30 (**2019**) 9999–10012.	I	**2.77**

218.	Ag implanted ZnO hierarchical nanoflowers for photo electrochemical water-splitting applications	B. Jansi Rani, A. Anusiya, M. Praveenkumar, S. Ravichandran, Ramesh K. Guduru **G. Ravi,** R. Yuvakkumar.	Journal of Materials Science: Materials in Electronics, 30 (**2019**) 731-745.	I	**2.77**
219.	Transition-Metal Element (Ni, Co)-Doped MgO Microflowers for Electrochemical Biosensor Applications	A. Anusiya, B. Jansi rani, **G. Ravi,** R. Yuvakkumar, S. Ravichandran, V. Ganesh, B.Saravanakumar.	The Journal of The Minerals, Metals & Materials Society, 71 **(2019)** 279-284	I	**2.59**
220.	Synthesis of $MnNiO_3$/ Mn_3O_4 nanocomposites for the water electrolysis process	B. Jansi Rani, S. Rathika, **G. Ravi**, R. Yuvakkumar	Journal of Sol-Gel Science and Technology, 92 (**2019**) 1-11.	I	**2.60**
221.	Perovskite $BiFeO_3$ nanocatalysts for electrochemical water oxidation	B. Jansi Rani, **G. Ravi,** R. Yuvakkumar, M. Thambidurai.	Journal of Sol-Gel Science and Technology, 91 (**2019**) 247–254.	I	**2.60**
222.	Efficient, highly stable Zn-doped NiO nanocluster electrocatalysts for electrochemical water splitting applications	B. Jansi Rani, **G. Ravi,** R. Yuvakkumar, S. Ravichandran, Fuad Ameen, A. Al-Sabri.	Journal of Sol-Gel Science and Technology 89 (**2019**) 500-510.	I	**2.60**
223.	Electrochemical Water Oxidation of $NiCo_2O_4$ and $CoNi_2S_4$ Nano spheres Supported on Ni Foam Substrate	Balasubramanian Jansi Rani, Katturajan Nivedha, **Ganesan Ravi** ,RathinamYuvakkumar	Chemistry Select, 4 (**2019**) 10122-10132.	I	**2.30**
224.	Preparation of SnO_2 Nanoparticles with Addition of Co Ions for Photocatalytic Activity of Brilliant Green Dye Degradation	S. Asaithambi, P. Sakthivel, M. Karuppaiah, R. Murugan, R. Yuvakkumar, **G. Ravi.**	Journal of Electronic Materials, 48 (**2019**) 2183-94.	I	**2.04**
225.	Synthesis of ZnO Nanosheets Morphology by Ce Doping for Photocatalytic Activity	G. Vijayaprasath, P. Soundarrajan, **G. Ravi.**	Journal of Electronic Materials, 48 **(2019)** 684-695.	I	**2.04**
226.	Highly dispersed $SmMn_2O_5$ nanorods for electrochemical water oxidation reaction kinetics	B Jansi Rani, M. Gowsalya, **Ganesan Ravi**, Rathinam Yuvakkumar, S I Hong	Materials Research Express, 6 (**2019**) 095090.	I	**2.02**
227.	$BiVO_4$ Nanostructures for Photo electro chemical (PEC) Solar Water Splitting Applications	B. Jansi Rani , M. Praveenkumar, S. Ravichandran, **G. Ravi** , Ramesh K. Guduru, R. Yuvakkumar	Journal of Nanoscience and Nanotechnology, 19 (**2019**)	I	**1.35**

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228.	Organic Datura metel Leaf Extract Mediated Inorganic Rare Earth La_2O_3 Nanocrystals Formation	R Uma Maheswari, R Yuvakkumar, **G. Ravi,** SI Hong	Journal of Nanoscience and Nanotechnology 19 (**2019**) 4033-4038.	I	**1.35**
229.	Low Surface Energy and pH Effect on SnO_2 Nanoparticles Formation for Supercapacitor Applications	B Saravanakumar, **G. Ravi,** V Ganesh, S Ravichandran, A Sakunthala, R Yuvakkumar	Journal of Nanoscience and Nano technology 19 (**2019**) 3429-3436.	I	**1.35**
230.	Influence of Ni doping in SnO_2 nanoparticles with enhanced visible light photocatalytic activity for degradation of methylene blue dye	S. Asaithambi, R. Murugan, P. Sakthivel, M. Karuppaiah, S. Rajendran, R.Yuvakkumar **G. Ravi**	Journal of nanoscience and nano technology, 19 (**2019**) 4438-4446.	I	**1.35**
231.	Preparation and electrochemical characterization of Mo_9O_{26} nanopowders for supercapacitors applications	B Saravanakumar, R Shobana, **G. Ravi**, V Ganesh, R Yuvakkumar	Nano-Structures & Nano-Objects, 19 (**2019**) 100340.	I	--
232.	$MnCo_2O_4$ nanosphere synthesis for electrochemical applications	B Saravanakumar, **G. Ravi,** V Ganesh, Ramesh K Guduru, R Yuvakkumar.	Materials Science for Energy Technologies 2 **(2019)** 130-138.	I	--
233.	Influence of radiofrequency power on structural, morphological, optical and electrical properties of magnetron sputtered CdO: Sm thin films as alternative TCO for optoelectronic applications.	P Sakthivel, R Murugan, S Asaithambi, M Karuppaiah, S Rajendran, **G. Ravi**	Journal of Alloys and Compounds, 765 (**2018**) 146-157.	I	**6.37**
234.	Pure and Alkaline Metal Ion (Mg, Ca, Sr, Ba) Doped Cerium Oxide Nanostructures for Photo Degradation of Methylene Blue.	R Murugana, L Kashinath, R Subash, P Sakthivel, K Byrappa, S Rajendran, **G. Ravi.**	Materials Research Bulletin 97 **(2018)** 319-325.	I	**5.6**
235.	Studies on opto electronics properties of magnetron Cadmium Stannete sputtered thin films as alternative TCO materials for solar cell applications	P. Sakthivel, R. Murugan, G.Vijayaprasath, S. Asaithambi, M. Karuppaiah, S.rajendran, Y.Hayakawa, **G. Ravi.**	Ceramics International, 44 **(2018)** 2529-2538.	I	**5.53**
236.	Electrochemically active XWO_4 (X = Co, Cu, Mn, Zn) nanostructure for water splitting applications	B. Jansi Rani, **G. Ravi,** S. Ravichandran, V. Ganesh, Fuad Ameen A. Al-Sabri, R. Yuvakkumar.	Applied Nanoscience, 8 **(2018)** 1241-58.	I	**3.86**

237.	Global exponential stability of antiperiodic solutions for impulsive discrete-time Markovian jumping stochastic BAM neural networks with additive time-varying delays and leakage delay	C. Sowmiya, R. Raja, Jinde Cao, **G. Ravi,** Xiaodi Li A.Alsaedi, Zhengwen Tu	International Journal of Adaptive Control and Signal Processing, 32 **(2018)** 908-936.	I	**3.69**
238.	Vertically aligned Cu-ZnO nanorod arrays for water splitting applications	Eadi Sunil Babu, B Jansi Rani, **G. Ravi**, R Yuvakkumar, Ramesh K Guduru, S Ravichandran, Faud Ameen, Sungjin Kim, Heung Woo Jeon	Materials Letters, 222 **(2018)** 58-61.	I	**3.57**
239.	Novel $NiWO_4$ nanoberries morphology effect on photoelectrochemical properties	Sunil Babu Eadi, B Jansi Rani**,** **G. Ravi**, Ramesh K Guduru, V Ganesh, R Yuvakkumar, Sungjin Kim.	Materials Letter, 220 **(2018)** 209-212.	I	**3.57**
240.	Synthesis and Characterization of $NiO/Ni_3V_2O_8$ Nanocomposite for Supercapacitor Applications	P Vishnukumar, B Saravanakumar, **G. Ravi**, V Ganesh, Ramesh K Guduru, R Yuvakkumar.	Materials Letter, 219 **(2018)** 114-118.	I	**3.57**
241.	Enhanced pseudocapacitive performance of SnO_2, Zn-SnO_2, and Ag- SnO_2 nanoparticles	B. Saravanakumar, S.P.Ramachandran, **G. Ravi,** V. Ganesh, S. Ravichandran, P. Muthu, Mareeswaran, R. Yuvakkumar.	Ionics, 24 (**2018**) 4081-4092.	I	**2.96**
242.	Temperature-dependent physicochemical properties of magnesium ferrites ($MgFe_2O_4$)	B Jansi Rani, M Durga, **G. Ravi,** P Krishnaveni, V Ganesh, S Ravichandran, R Yuvakkumar.	Applied Physics A, 124 **(2018)** 1-10.	I	**2.98**
243.	Pure and cobalt-substituted zinc-ferrite magnetic ceramics for supercapacitor applications	B JansiRani, **G. Ravi**, R Yuvakkumar, V Ganesh, S Ravichandran, M Thambidurai, AP Rajalakshmi, A Sakunthala	Applied Physics A, 124 (**2018**) 1-12.	I	**2.98**
244.	Size dependent magnetic and antibacterial properties of solvothermally synthesized cuprous oxide (Cu_2O) nanocubes	Sami AlYahya, B. Jansi Rani, **G. Ravi,** R. Yuvakkumar, A. Arun, Fuad Ameen S. AlNadhary.	Journal of Materials Science: Materials in Electronics, 29 **(2018)** 17622-17629.	I	**2.77**
245.	The point defects induced ferromagnetism in ZnO semiconductor by terbium doping via co-precipitation method	G. Vijayaprasath, P. Soundarrajan, **G. Ravi.**	Journal of Materials Science: Materials in Electronics, 29 **(2018)** 11892-900.	I	**2.77**
246.	Zinc oxide nanotips growth by controlling vapor deposition on substrates	Eadi Sunil Babu, B Saravanakumar, **G. Ravi,** R Yuvakkumar, V Ganesh, Ramesh K Guduru, Sungjin Kim	Journal of Materials Science: Materials in Electronics, 29 **(2018)**6149-6156.	I	**2.77**

247.	Role of Co doping on structural, morphological and magnetic properties of SILAR deposited magnetite (Fe_3O_4) thin films	S. Sheik Fareed N. Mythili R. Chandramohan **G. Ravi.**	Journal of Materials Science Materials in Electronics, 29 **(2018)** 2484-2490.	I	**2.47**
248.	Global exponential stability of Markovian jumping stochastic impulsive uncertain BAM neural networks with leakage, mixed time delays, and α-inverse Hölder activation functions	C. Maharaja, R. Raja, Jinde Cao,**G. Ravi,** G. Rajchakit	Advances in Difference Equations, 2018 **(2018)** 1-31.	I	**2.80**
249.	Structural, morphological, optical and antibacterial properties of pentagon CuO nanoplatelets	R. Uma Maheswari, B. Jansi Rani, **G. Ravi,** R. Yuvakkumar, Fuad Ameen, A. Al-Sabri	Journal of Sol-Gel Science and Technology, 87 **(2018)** 515-527.	I	**2.60**
250.	Surfactant assisted zinc doped tin oxide nanoparticles for supercapacitor applications	B. Saravanakumar,**G. Ravi,** V. Ganesh, Fuad AmeenA. Al-Sabri, R. Yuvakkumar.	Journal of Sol-Gel Science and Technology, 86 **(2018)** 521-535.	I	**2.60**
251.	Structural, optical and magnetic properties of $CuFe_2O_4$ nanoparticles	B Jansi Rani,B Saravanakumar, **G. Ravi**, V Ganesh, S Ravichandran,R Yuvakkumar	Journal of Materials Science: Materials in Electronics, 29 (**2018**)1975-84	I	**2.77**
252.	Radio frequency power induced changes of structural, morphological, optical and electrical properties of sputtered cadmium oxide thin films	P. Sakthivel, R. Murugan, S. Asaithambi,M. Karuppaiah, G. Vijayaprasath,S. Rajendran, Y. Hayakawa, **G. Ravi.**	Thin Solid Films, 654 **(2018)** 85–92.	I	**2.35**
253.	Pseudocapacitive $NiO/NiSnO_3$ Electrode for Supercapacitor Applications	B. Saravanakumar, R. Shobana, **G. Ravi,** V. Ganesh, R. Yuvakkumar	Journal of Electronic Materials, 47 **(2018)** 6390-6395.	I	**2.04**
254.	Electrochemical characterization of $FeMnO_3$ microspheres as potential material for energy storage applications	B Saravanakumar, SP Ramachandran, **G. Ravi**, V Ganesh,Ramesh K Guduru R Yuvakkumar.	Material Research Express 5 **(2018)** 015504.	I	**2.02**
255.	Structural, Optical and Magnetic Properties of NiONanopowders	B Jansi Rani, B Saravanakumar, **G. Ravi,** V Ganesh, A Sakunthala, R Yuvakkumar	Journal of Nanoscience and Nano technology, 18 **(2018)** 4658-4666.	I	**1.35**

256.	Hexamine Role on Pseudocapacitive Behaviour of Cobalt Oxide (Co_3O_4) Nanopowders	T Priyadharshini, B Saravanakumar, **G. Ravi,** A Sakunthala, R Yuvakkumar.	Journal of Nanoscience and Nanot echnology, 18 **(2018)** 4093-4099.	I	**1.35**
257.	α-Fe_2O_3 nanoparticles as a byproduct from the thin film (SILAR) deposition process: a study on the product	S Sheik Fareed, N Mythili, G Vijayaprasath, R Chandramohan, **G. Ravi**	Materials Today: Proceedings, 5 (**2018**) 20955-20965	I	**2.3**
258.	Synthesis and characterization of hausmannite (Mn_3O_4) nanostructures	B. Jansi Rani, M. Ravina, **G. Ravi,** S. Ravichandran, V. Ganesh, R.Yuvakkumar.	Surfaces and Interfaces, 11 **(2018)** 28-36.	I	**6.13**
259.	Facile synthesis of quantum sized Co_3O_4 nanostructures and their magnetic properties	G.Anandha babu, **G. Ravi.**	Nano-Structures & Nano Objects, 15 **(2018)** 1-9.	I	--
260.	Ferrimagnetism in cobalt ferrite ($CoFe_2O_4$) nanoparticles	B. JansiRani, M.Ravina, B.Saravanakumar, **G. Ravi**, V.Ganesh, S.Ravichandra, R.Yuvakkumar	Nano-Structures & Nano Objects 14, **(2018)** 84-91.	I	--
261.	Prompt Synthesis of Iridium Organosol on DNA for Catalysis and SERS Applications	K. Sakthikumar, S. Anantharaj, Sivasankara Rao Ede, K. Karthick, **G. Ravi,** T.Karthik,Subrata Kundu	Journal of Materials Chemistry C, 5 (**2017**) 11947-11957.	I	**8.06**
262.	Controlled synthesis and electrochemical properties of Ag-doped Co_3O_4 nanorods	B Jansi Rani, Shilpa P Raj, B Saravanakumar, **G. Ravi**, V Ganesh, S Ravichandran, R Yuvakkumar	International journal of hydrogen energy, 42 (**2017**) 29666-29671.	I	**7.13**
263.	Electrochemical properties of rice-like copper manganese oxide ($CuMn_2O_4$) nanoparticles for pseudocapacitor applications	B. Saravanakumar, S. Muthu Lakshmi, **G. Ravi,** V.Ganesh, A. Sakunthala R. Yuvakkumar.	Journal of Alloys and Compounds, 723(**2017**) 115-122.	I	**6.37**
264.	Pure and Co doped CeO_2 nanostructure electrodes with enhanced electrochemical performance for energy storage applications	R. Murugan, **G. Ravi ,** R. Yuvakkumar, S. Rajendran, N. Maheswari, G. Muralidharan Y. Hayakawa.	Ceramics International, 43 **(2017)** 10494-10501.	I	**5.53**
265.	Defect Assisted Room Temperature Ferromagnetism on rf Sputtered Mn doped CeO_2 Thin Films	R. Murugan, G. Vijayaprasath, M. Thangaraj, T.Mahalingam, S. Rajendran, M. Arivanandhan, A.Loganathan, Y. Hayakawa, **G. Ravi.**	Ceramics International, 43 **(2017)** 399-406.	I	**5.53**

266.	Ni-CeO_2 Spherical Nanostructures for Magnetic and Electrochemical Supercapacitor Applications	R. Murugan, **G. Ravi,** G. Vijayaprasath, S. Rajendran, T. Mahalingam, N. Maheswari, G. Muralidharan,Y. Hayakawa.	Physical Chemistry Chemical Physics, 19 **(2017)** 4396-4404.	I	**3.94**
267.	Morphology dependent electrochemical capacitor performance of $NiMoO_4$ nanoparticles.	B Saravanakumar, SP Ramachandran, **G. Ravi**, V Ganesh,A Sakunthala, R Yuvakkumar.	Materials Letters, 209 **(2017)** 1-4.	I	**3.57**
268.	A green route to synthesis silver nanoparticles using Sargassum polycystum and its antioxidant and cytotoxic effects: an in vitro analysis	S. Palanisamy, P. Rajasekar, G.Vijayaprasath, **G. Ravi,** R. Manikandan, N.M. Prabhu.	Materials Letters, 189 **(2017)** 196-200.	I	**3.57**
269.	Reducing agent ($NaBH_4$) dependent structure, morphology and magnetic properties of nickel ferrite ($NiFe_2O_4$) nanorods	B. Saravanakumar, B. Jansi Rani, **G. Ravi,** M. Thambidurai, R. Yuvakkumar	Journal of Magnetism and Magnetic Materials, 428 **(2017)** 78-85.	I	**3.09**
270.	Surfactant effect on synthesis and electrochemical properties of nickel-doped magnesium oxide (Ni–MgO) for supercapacitor applications	B. Saravanakumar, S. Muthulakshmi, **G. Ravi,** V. Ganesh, A. Sakunthala, R. Yuvakkumar	Appl. Phys. A, 123 **(2017)** 1-9.	I	**2.98**
271.	Physico-chemical properties of pure and zinc incorporated cobalt nickel mixed ferrite ($ZnxCo_{0.005}$−$xNi_{0.005}$ Fe_2O_4, where x = 0, 0.002, 0.004 M) nanoparticles	B. Jansi Rani, R. Mageswari, **G. Ravi,** R.Yuvakkumar	Journal of Materials Science Materials in Electronics, 28 (**2017**) 16450-16458.	I	**2.77**
272.	Hexamine, PEG-400 effect on α-MoO_3 nanoparticle synthesis for pseudo capacitance applications.	S. P.Ramachandran, B. Saravanakumar, V. Ganesh, **G. Ravi,** A. Sakunthala, R. Yuvakkumar	Journal of Materials Science: Materials in Electronics, 28 (**2017**) 13780-13786.	I	**2.77**
273.	Properties of SILAR deposited magnetite (Fe_3O_4) thin films: effect of bath temperatures.,	S. Sheik Fareed, N. Mythili, G. Vijayaprasath, R. Murugan, H. Mohamed Mohaideen, R. Chandramohan, **G. Ravi**	Journal of Materials Science: Materials in Electronics, 28 **(2017)** 9450–9455.	I	**2.77**
274.	Influence of reducing agent concentration on the structure, morphology and ferromagnetic properties of hematite (α-Fe_2O_3) nanoparticles	B. Saravanakumar, B. Jansi Rani, **G. Ravi,** A. Sakunthala, R. Yuvakkumar	Journal of Materials Science: Materials in Electronics, 28 **(2017)** 8093–8100.	I	**2.77**

275.	Growth and characterization of pure, chloroacetamide and 4-dimethyl amino benzaldehyde doped triglycine sulphophosphate (TGSP) crystals	Golda Louis, AS HajaHameed, C Karthikeyan,**G. Ravi**	Journal of Materials Science: Materials in Electronics 28 (**2017**) 1652-1658.	I	**2.77**
276.	Hydrothermal synthesis of spherical $NiCO_2O_4$ nanoparticles as a positive electrode for pseudocapacitor applications	B Saravanakumar, T Priyadharshini,**G. Ravi**, V Ganesh, A Sakunthala, R Yuvakkumar.	Journal of Sol-Gel Science and Technology **(2017)** 297-305.	I	**2.60**
277.	Design, Fabrication, and Characterization of Hematite (α-Fe_2O_3) Nanostructures.	B. Jansi Rani, R. Mageswari, V Ganesh, **G. Ravi,** R.Yuvakkumar.	The Journal of The Minerals, Metals & Materials Society, 69 **(2017)**2508-2514.	I	**2.59**
278.	Photoelectrochemical study of MoO_3 assorted morphology films formed by thermal evaporation	R. Senthilkumar, G. Anandhababu, T. Mahalingam,**G. Ravi**	Journal of Energy Chemistry, 25 **(2016)** 798–804.	I	**13.59**
279.	Ultra-small rhenium nanoparticles immobilized on DNA scaffolds: An excellent material for surface enhanced Raman scattering and catalysis studies	S. Anantharaj, K. Sakthikumar, Ayyapan Elangovan, **G. Ravi,** T. Karthik, Subrata Kundu.	Journal of Colloid and Interface Science, 483 **(2016)** 360–373.	I	**9.96**
280.	An ultrasensitive electrochemical sensor for simultaneous determination of xanthine, hypoxanthine and uric acid based on Co doped CeO_2 nanoparticles	N. Lavanya, C. Sekar, R. Murugan, **G. Ravi**	Materials Science and Engineering: C, 65 **(2016)** 278-286.	I	**7.32**
281.	Enhancement of room temperature ferromagnetic behavior of rf sputtered Ni-CeO_2 thin films	R. Murugan, G. Vijayaprasath, T. Mahalingam, **G. Ravi**	Applied Surface Science, 390 **(2016)** 583–590.	I	**7.39**
282.	Studies on growth and characterization of heterogeneous tungsten oxide nanostructures for photoelectrochemical and gas sensing applications	R. Senthilkumar, T. Mahalingam, **G. Ravi**	Applied Surface Science, 362 **(2016)** 102-108.	I	**7.39**
283.	Au–Pd bimetallic nanoparticles anchored on α-Fe_2O_3 nonenzymatic hybrid nanoelectrocatalyst for simultaneous electro chemical detection of dopamine and uric acid in the presence of ascorbic acid	C Sumathi, CV Raju, P Muthukumaran, J Wilson, **G. Ravi**	Journal of Materials Chemistry B, 4 **(2016)** 2561-2569.	I	**6.33**

284.	3-Carboxy-2-(piperidin-1-ium-1-yl) propanoate	S. Sudhahar, K. Sankara narayanan, **G.Ravi**, R.M. Kumar, G. Chakkaravarthi	IUCrData, 1 **(2016)** x160748.	I	**5.40**
285.	Synthesis of ZnO nanowire arrays on ZnO TiO_2 mixed oxide seed layer for dye sensitized solar cell applications	T. Marimuthu, N. Anandhan, R. Thangamuthu, M. Mummoorthi, **G. Ravi**	Journal of Alloys and Compounds 677, **(2016)** 211-218	I	**6.37**
286.	Role of nickel doping on structural, optical, magnetic properties and antibacterial activity of ZnO nanoparticles	G. Vijayaprasath, R. Murugan, S. Palanisamy, N.M. Prabhu, T. Mahalingam,Y. Hayakawa, **G. Ravi**	Materials Research Bulletin, 76 **(2016)** 48-61.	I	**5.6**
287.	Defect induced magnetic transition in Co doped CeO_2 sputtered thin films	R Murugan, G Vijayaprasath, T Mahalingam, **G. Ravi**	Ceramics International 42, **(2016)** 11724–11731.	I	**5.53**
288.	Structural and magnetic behavior of Ni/Mn co-dopedZnO nanoparticles prepared by coprecipitation method	G. Vijayaprasath, R. Murugan, S. Asaithambi, P. Sakthivel, T. Mahalingam, Y. Hayakawa, **G. Ravi**	Ceramics International, 42 **(2016)** 2836-2845.	I	**5.53**
289.	In vitro antibacterial activity of ZnO and Nd doped ZnO nanoparticles against ESBL producing Escherichia coli and Klebsiella pneumoniae	Abdulrahman SyedahamedHaja Hameed, Chandrasekaran Karthikeyan, AbdulazeesParveez Ahamed, Nooruddin Thajuddin, Naiyf S Alharbi, Sulaiman Ali Alharbi**,** **Ganasan Ravi**	Scientific reports, 6 **(2016)** 24312.	I	**4.99**
290.	Optical and magnetic studies on Gd doped ZnO nanoparticles synthesized by co-precipitation method	G. Vijayaprasath, R. Murugan, Y. Hayakawa, **G. Ravi**	Journal of Luminescence 178 **(2016)** 375-383.	I	**4.17**
291.	Cerium doped nickel-oxide nanostructures for riboflavin biosensing and antibacterial applications	P Muthukumaran, Chikkili Venkateswara Raju, C Sumathi,**G .Ravi,** D Solairaj, P Rameshthangam, J Wilson,Sathish Rajendran, Subbiah Alwarappan	New Journal of Chemistry, 40 **(2016)** 2741-2748.	I	**3.92**
292.	Room temperature ferromagnetism of Ni doped cerium oxide single crystalline thin Films deposited by using rf magnetron sputtering	R. Murugan, G. Vijayaprasath, T. Mahalingam, **G. Ravi**	Materials Letters, 162, **(2016)** 71-74.	I	**3.57**
293.	Enzymeless biosensor based on β-NiS@rGO/Au nanocomposites for simultaneous detection of Ascorbic acid, Epinephrine and Uric acid	P.Muthukumaran, C.Sumathi, J.Wilson, **G.Ravi.**	RSC Advances, 6 **(2016)** 96467-96478.	I	**4.03**

294.	Physical vapor deposited highly oriented V_2O_5 thin films for electrocatalytic oxidation of hydrazine	Shrividhya Thiagarajan, Mahalingam Thaiyan, **Ravi Ganesan**.	RSC Advances, 6 **(2016)** 82581–82590.	I	**4.03**
295.	DNA mediated electrocatalytic enhancement of aFe_2O_3–PEDOT–C-MoS_2 hybrid nanostructures for riboflavin detection on screen printed electrode	C. Sumathi, P. Muthukumaran, P. Thivya, J. Wilson, **G. Ravi.**	RSC Advances 6, **(2016)** 81500-81509.	I	**4.03**
296.	Magnetic evolution in transition metal-doped Co_{3-x} M x O_4 (M= Ni, Fe, Mg and Zn) nanostructures	G.Anandha Babu, **G.Ravi**	Applied Physics A 122 **(2016),** 1-8.	I	**2.58**
297.	Structural characterization and magnetic properties of Co co-doped Ni/ZnO nanoparticles	G Vijayaprasath, R Murugan, S Asaithambi, G Anandha Babu, P Sakthivel, T Mahalingam,Y Hayakawa, **G. Ravi**	Applied Physics A 122 **(2016),** 1-11.	I	**2.58**
298.	Studies on the simplified SILAR deposited magnetite (Fe_3O_4) thin films annealed at different temperatures	S Sheik Fareed, N Mythili, H Mohamed Mohaideen, K Saravanakumar, R Chandramohan**, G. Ravi**	Journal of Materials Science: Materials in Electronics, 27 **(2016)** 3420-3426.	I	**2.77**
299.	Influence of organic dopants on the optical properties of 4N, N'dimethylaminoN'-methyl stilbazoliumtosylate crystals	A.S.H Hameed,C. Karthikeyan, S.A. Nisha, G. Louis, **G. Ravi**	Optik-International Journal for Light and Electron Optics, 127 **(2016)** 4011-4018.	I	**2.44**
300.	Preparation of highly oriented Al:ZnO and Cu/Al:ZnO thin films by sol-gel method and their characterization	G. Vijayaprasath,R. Murugan, T. Mahalingam, Y. Hayakawa, **G.Ravi**	Journal of Alloys and Compounds, 649 **(2015)** 275-284.	I	**6.37**
301.	Enhancement of Ferromagnetic Property in Rare Earth Neodymium Doped ZnO Nanoparticles	G. Vijayaprasath,R. Murugan, T. Mahalingam, Y. Hayakawa, **G.Ravi**	Ceramics International, 41 **(2015)** 10607-10615.	I	**5.53**
302.	Influence of Microwave Power on preparation of NiO Nanoflakes for enhanced Magnetic and Super capacitor Applications	G.Anandha babu, T.Mahalingam, M.Kumaresavanji, Y.Hayakawa, **G.Ravi**	Dalton Transaction, 44 **(2015)** 4485.	I	**4.56**

303.	Ethylenediaminium di(4-nitrophenolate): A third order NLO material for optical limiting applications	M. Thangaraj, T.C. Sabari Girisun, G. Vinitha A. Loganathan, **G.Ravi**	Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy, 138 **(2015)** 158–163.	I	**4.83**
304.	Third Order Nonlinear Optical Properties and Optical Limiting Behavior of Alkali Metal Complexes of p Nitrophenol	M.Thangaraj, G. Vinitha, T.C.SabariGirisun, P.Anandan, **G.Ravi**	Journal of Optics& Laser Technology, 73 **(2015)** 130-134.	I	**4.93**
305.	Physical property exploration of highly oriented V_2O_5 thin films preparedby electron beam evaporation	T.Shrividhya, T. Mahalingam, **G.Ravi**	New Journal of Chemistry, 39 **(2015)** 9471-9479.	I	**3.92**
306.	Quantification of ferromagnetism in metal doped NiO nanostructures	G.Anandha babu, **G.Ravi**	Materials Letters, 161 **(2015)** 149-152.	I	**3.57**
307.	Microwave synthesis and magnetic investigations of surfactant assisted NiO nanostructures	G.Anandha babu, Y.Hayakawa, **G.Ravi**	Materials Letters, 149 **(2015)** 54.	I	**3.57**
308.	Riboflavin detection by α-Fe_2O_3/ MWCNT/ Au NPs based composite anda study of the interaction of riboflavin with DNA	C. Sumathi, P. Muthukumaran, S. Radhakrishnan, **G. Ravi**, J. Wilson	RSC Advances, 5 **(2015)** 17888-17896.	I	**4.03**
309.	Synthesis and calcinations effects on size analysis of Co_3O_4 nanospheres and their superparamagnetic behaviors	G.Anandhababu, Y.Hayakawa, M. Kumaresavanji, **G.Ravi**	Journal of Magnetism and Magnetic materials, 375 **(2015)** 184.	I	**3.09**
310.	The influence of substrate temperature on the optical and micro structural properties of cerium oxide thin films deposited by RF sputtering	R. Murugan,G. Vijayaprasath, **G.Ravi**	Superlattices and Micro structures **(2015)** 321–330.	I	**-**
311.	Microwave synthesis and effect of CTAB on ferro magnetic properties of NiO, Co_3O_4 and $NiCo_2O_4$ nano structures	G.Anadha babu, Y.Hayakawa, **G.Ravi**	Appl. Phys. A, 119 **(2015)** 219.	I	**2.58**
312.	Structural, optical and antibacterial activity studies of neodymium doped ZnO nanoparticles	G. Vijayaprasath, R. Murugan, S. Palanisamy, N. M. Prabhu, T. Mahalingam, Y. Hayakawa, **G.Ravi**	J Mater Sci: Mater Electron, 26 **(2015)** 7564-7576.	I	**2.77**
313.	Comparative study of structural and magnetic properties of transition metal (Co, Ni) doped ZnO nanoparticles	G. Vijayaprasath, R. Murugan, T. Mahalingam, **G.Ravi**.	J Mater Sci: Mater Electron, 26 **(2015)** 7205--7213.	I	**2.77**

314.	Glucose sensing behavior of cobalt doped ZnO nanoparticles synthesized by co-precipitation method	G. Vijayaprasath, R. Murugan, J. Shankara Narayanan, V. Dharuman, Y. Hayakawa, **G.Ravi**	Journal of Materials Science: Materials in Electronics, 26 **(2015)** 4988-4996.	I	**2.77**
315.	Effect of rf power on the properties of magnetron sputtered CeO_2 thin films	R. Murugan, G. Vijayaprasath, T. Mahalingam,Y. Hayakawa, **G.Ravi**	Journal of Materials Science: Materials in Electronics, 26 **(2015)** 2800.	I	**2.77**
316.	Determination of gas sensing properties of thermally evaporated WO_3 nanostructures	R. Senthilkumar, C. Sekar, M. Arivanandhan, M. Navaneethan Y. Hayakawa, **G.Ravi**	Journal of Materials Science: Materials in Electronics, 26 **(2015)** 1389.	I	**2.77**
317.	Surfactant mediated one-andtwodimensionalZnO nanostructured thin films for dye sensitized solar cell application	T. Marimuthu, N. Anandhan, R. Thangamuthu, M. Mummoorthi, S .Rajendran, **G. Ravi**	Materials Research Express, 2 **(2015)** 015502.	I	**2.02**
318.	Characterization of dilute magnetic semiconducting transition metal doped ZnO thin films by sol–gel spin coating method	G.Vijayaprasath, R.Murugan, T.Mahalingam,Y. Hayakawa, **G.Ravi**	Applied surface science, 313 **(2014)** 870-876.	I	**7.39**
319.	Size and Surface Effects of Ce-doped NiO, and Co_3O_4 Nano structures on Fe magnetism Behavior Prepared by Microwave	G.Anandhababu, T.Mahalingam,M.Navaneethan M.Arivanandhan, Y.Hayakawa, **G.Ravi**	J. Phys. Chem. C, 118 **(2014)** 23335−23348.	I	**4.17**
320.	Effect of Cobalt Doping on Structural, Optical, and Magnetic Properties of ZnO Nanoparticles Synthesized by Coprecipitation Method	Vijayaprasath Gandhi, Haja Hameed Abdulrahman Syedahamed, Mahalingam Thaiyan, **Ravi Ganesan**	J. Phys. Chem. C, 118 **(2014)** 9715−9725.	I	**4.17**
321.	Investigations on the growth aspects and characterization of semiorganic nonlinear optical single crystals of L-histidine and its hydrochloride derivative	P.Anandhan, M. Arivanandhan, Y. Hayakawa, D. Rajan Babu, R. Jayavel, **G. Ravi** , G.Bhagavanarayan,	Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy, 121 **(2014)** 508–513.	I	**4.83**
322.	In-situ observation of faceted growth of benzophenone single crystals	M.Arivanandhan, V. Natarajan, P. Anandan, K.Sankaranarayann **G.Ravi**, Y.Inatomi, Y.Hayakawa	Materials Chemistry and Physics, 144 **(2014)** 402-408.	I	**4.77**
323.	An Investigation of Flower Shaped NiO Nanostructures by Microwave and Hydrothermal Route	G.Anandhababu, M.Navaneethan, M.Arivanandhan, Y.Hayakawa, **G.Ravi**	Journal of Materials Science: Materials in Electronics, 25 **(2014)** 5231–	I	**2.77**

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324.	Determination of structural and optical parameters of CuO thin films prepared by double dip technique	T.Shrividhya, Y. Hayakawa, T. Mahalingam, **G.Ravi**	Journal of Materials Science: Materials in Electronics, 25 **(2014)** 3385-3394.	I	**2.77**
325.	Growth and characterization of potassium halides mixed L-Arginine phosphate monohydrate semi organic nonlinear optical single crystals	G. Parthipan, P.Anandhan, K. Pazhanivel, **G. Ravi**, R. Jayavel	Optik-International Journal for Light and Electron Optics, 125 **(2014)** 8-10.	I	**2.44**
326.	Effect of annealing on optical and structural properties of ZnS/MnS and MnS/ZnS superlattices thin films for solar energy application	J. Yuvaloshini, Ra.Shanmugavadivu, **G. Ravi**	Optik-International Journal for Light and Electron Optics, 125 **(2014)** 1775-1779.	I	**2.44**
327.	Ethylenediaminium di(2-nitrophenolate) single crystals as materials for optical second harmonic generation	M. Thangaraj,T.C.Sabari Girisun, **G.Ravi**	Physica B Condensed mater, 449 **(2014)** 209–213.	I	**2.98**
328.	Investigations on the hydrothermal preparation of shape-engineered zinc oxide nanostructures	SD Gopal Ram, TW Kang, **G. Ravi**	Journal of the Korean Physical Society, 11 (**2013**) 2124-2127.	I	**0.64**
329.	Spectroscopic investigation on the efficient organic nonlinear crystals of pure and diethanolamine added DAST	C Karthikeyan, AS Haja Hameed, J Sagaya Agnes Nisha, **G. Ravi**	Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy, 115 (**2013**) 667-674.	I	**4.83**
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332.	Synthesis, structural, spectroscopic and optical studies of charge transfer	Maruthappan Manikandan, Thaiyan Mahalingam, Yasuhiro Hayakawa, **Ganesan Ravi**	Spectrochimica Acta Part A: Molecular and	I	**4.83**

	complex salts		Biomolecular Spectroscopy, 101 (**2013**) 178-183.		
333.	Impact of alkaline metal ions Mg^{2+}, Ca^{2+}, Sr^{2+} and Ba^{2+} on the structural, optical, thermal and antibacterial properties of ZnO nanoparticles prepared by the co-precipitation	Abdul rahman Syed ahamedHaja Hameed, Chandrasekaran Karthikeyan, Seemaisamy Sasikumar, Venugopal Senthil Kumar, Subramanian Kumaresan, **Ganesan Ravi**	Journal of Materials Chemistry B 1, 43 (**2013**) 5950-5962.	I	**6.33**
334.	Effect of annealing on the characteristics of nano crystalline CdSthinfilms prepared by chemical bath deposition method	Ra Shanmugavadivu, J Yuvaloshini, **G. Ravi**	Int. J. Semicond. Sci. Technol., 3 (**2013**) 33-42.	I	**0.41**
335.	Effect of Solvent on Size and Morphologies of SnO Nanoparticles via Chemical Co-precipitation Method	G Vijayaprasath, **G. Ravi**, Y Hayakawa	Inter. J. Sci. Eng. Appl, (**2013**) 21-23.	I	**8.84**
336.	Synthesis & Structural Study on Graphene Nano Particles	L Kashinath, R Senthil Kumar, Y Hayakawa, **G. Ravi**	Strain, 10 (**2013**) 3.	I	**2.57**
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338.	Facile synthesis of nickel oxide nanoparticles and their structural, optical and magnetic properties	G AnandhaBabu, **G. Ravi**, M Arivanandan, M Navaneethan,Y Hayakawa	Asian Journal of Chemistry, 25 (**2013**) S39.	I	**0.53**
339.	Crystal growth, structural and photoluminescence studies of L-tyrosine hydrobromide semi organic single crystal	P Anandan, S Vetrivel, R Jayavel, C Vedhi, **G. Ravi**, G Bhagavan narayana	Journal of Physics and Chemistry of Solids, 73 (**2012**) 1296-1301	I	**4.38**
340.	Crystal growth, spectral and thermal analyses of a semi organic nonlinear optical single crystal: L-tyrosine hydrochloride	P Anandan, S Vetrivel, S Karthikeyan, R Jayavel, **G. Ravi**	Opto electronics and Advanced Materials-Rapid Com-munications, 6 (**2012**) 1128-1133	I	**0.68**
341.	Structural, spectral and mechanical studies of bimetallic crystal: cadmium manganese thiocyanate single crystals	M Manikandan, G Vijaya Prasath, G Bhagavan narayan, N Vijayan, T Mahalingam, **G. Ravi**	Applied Physics A, 108 (**2012**) 1015-1020	I	**2.98**
342.	Optical and Luminescence Properties of Electro synthesizedZnSe Thin Films	Thaiyan Mahalingam, Vickraman Dhanasekaran, **Ganesan Ravi**	ECS Transactions, 45 (**2012**) 95.	I	**0.52**
343.	Effects of chloroacetamide on the growth and characterization of nitric acid added triglycine sulphate crystals	AS HajaHameed, C Karthikeyan, Golda Louis, **G. Ravi**	Journal of crystal growth, 339 (**2012**) 46-51	I	**1.83**

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345.	Electrodeposition of CdSe Thin Films from Aqueous Solution	T Mahalingam, V Dhanasekaran, S Rajendran, **G. Ravi**, D Eapen	Journal of New Materials for electro chemical systems, 15 (**2012**) 57-62	I	**1.31**
346.	Aqueous chemical growth of free standing vertical ZnOnanoprisms, nanorods and nanodiskettes with improved texture co-efficient and tunable size uniformity	S.D.Gopal Ram, A.Athimoolam, T.Mahalingam, M.Anbu Kulandainathan, **G.Ravi**	Apply Phys A Materials, 105 **(2011)** 881-890.	I	**2.98**
347.	Crystal growth, structural and thermal studies of amino acids admixtured l-arginine phosphate monohydrate single crystals	T.Saravanan, G.Parthipan, P.Anandhan, R.Mohan Kumar, G.Bhagavanarayan, **G.Ravi**,R. Jayavel	Solid State Sciences, 11 **(2011)** 915-922.	I	**3.75**
348.	Characterization studies on the additives mixed L-arginine phosphate monohydrate (lap) crystals	C.Karthikeyan,A.S. Haja Hameed,**G. Ravi** S. Rohani	Physica B: Condensed Matter, 406 **(2011)** 1363-1367.	I	**2.98**
349.	Controlled hydrothermal growth of ZnO nano structures by sequestering the zn metal ions with the chelating agent EDTA	S.D.Gopal Ram, MR.Manikandan, M.Anbu Kulandainathan, T.Mahalingam, **G.Ravi**	Superlattices and Micro structures, 50 **(2011)** 296-302.	I	--
350.	Role of deposition potential on the optical properties of SnSSe thin films	Thaiyan Mahalingam, Vickraman Dhanasekaran, **Ganesan Ravi**, Rathinam Chandramohan, Adaikalam Kathalingam,Jin-Koo Rhee	ECS Transactions, 35 (**2011**) 1.	I	**0.52**
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363.	Light induced absorption and its relaxation under illumination of continuous wave ultraviolet light in Mn-doped near-stoichiometric $LiNbO_3$	Youwen Liu, **G.Ravi**, Kenji Kitamura, Shunji Takekawa, Masaru Nakamura	J. Applied Physics, 97 (**2005**) 1-7.	I	**2.87**
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368.	Synthesis, growth and characterization of new mixed analogs of LAP family crystals	R. Shanmugavadivu, A.Nixon Azariah, A.S. Haja Hameed, T. Thenappan,**G.Ravi**	Mat. Science &Engineering B, 113 (**2004**) 269-273.	I	**3.40**
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378.	Nucleation kinetics, growth and characterization of dLAP, dLAP:KF and dLAP:NaN_3 Crystals	HajaHameed A.S., Jayavel R, Ramasamy P,**Ravi G**.	J.Crystal Growth, 250 (**2003**) 126-133.	I	**1.83**
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380.	Synthesis, growth and characteri-zationof nonlinear optical material: L-Arginine Fluoride	A.S. Haja Hameed, P.Anandan, R. Jayavel, **G.Ravi**	J.Crystal Growth, 249 (**2003**) 316-320.	I	**1.83**
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394.	Influence of macro molecular additives on the characterizationofTriglycine sulphatesingle crystals	**G.Ravi**, G.Arunmozhi, S. Anbukumar, P Ramasamy	Ferroelectrics, 174 (**1995**) 241-247.	I	**0.62**
395.	Effect of metallic dopants on Triglycine sulpho-phosphate single crystals	**G.Ravi**, S Anbukumar, S.Subramainian, P.K.C. Pillai, P.Ramasamy	Ferroelectrics, 166 (**1995**) 47-53.	I	**0.62**
396.	Growth and characterization of Triglycine sulpho-phosphate mixed crystals	**G.Ravi**, S. Anbukumar, P Ramasamy	Material Chemistry and Physics, 37 (**1994**) 180-183.	I	**4.77**
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1.	Preparation of CuO1-x-Mnx (x= 0.03, 0.05, 0.07) and MATLAB modelling for sustainable energy harvesting applications	G Udhaya Sankar, R Yuvakkumar, **G Ravi**, G RajKumar, C Ganesa Moorthy	Journal of Physics: Conference Series, 1850, 012025 (**2021**)	I	1742-6588
2.	Synthesis of mixed phase MoO_3/Mo_5O_{14} nanostructures for hydrogen evolution reaction (HER) via electrochemical water splitting	S Swathi, B Jansi Rani**,** **G Ravi**, R Yuvakkumar	AIP Conference Proceedings 2265, 030653 (**2020**)	I	978-0-7354-2025-0
3.	Solvothermal optimization of V_2O_5 nanostructures for electrochemical energy production	B JansiRani, **G Ravi**, R Yuvakkumar	AIP Conference Proceedings 2265, 030619 (**2020**)	I	978-0-7354-2025-0
4.	Vanadium oxide nanostructures for electrochemical supercapacitor applications	M Isacfranklin**,** **G Ravi**, R Yuvakkumar, P Kumar, Dhayalan Velauthapillai, B Saravanakumar, E Sunil Babu	AIP Conference Proceedings 2270, 110032 (**2020**)	I	978-0-7354-3998-6
5.	Electrochemical Performance of NiS@ CuS for water oxidation	S Swathi, B Jansi Rani, **G Ravi,** R Yuvakkumar, P Kumar, Dhayalan Velauthapillai, B Saravanakumar, E Sunil Babu	AIP Conference Proceedings 2270, 110028 (**2020**)	I	978-0-7354-3998-6
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7.	Cu_2S electrochemical energy storage applications	M Sangeetha Vidhya**,** **G Ravi**, RYuvakkumar, P Kumar, Dhayalan Velauthapillai, B Saravanakumar, E Sunil Babu	AIP Conference Proceedings 2270, 100011 (**2020**)	I	978-0-7354-3998-6
8.	Cerium doped NiO nanoparticles by hydrothermal method	M Isacfranklin, **G Ravi,** R Yuvakkumar, P Kumar, Dhayalan Velauthapillai, B Saravanakumar, E Sunil Babu	AIP Conference Proceedings 2270, 110022 (**2020**)	I	978-0-7354-3998-6

9.	$NiWO_4$@$Ni(OH)_2$ for electrochemical water splitting	B JansiRani**,** **G Ravi,** R Yuvakkumar, Dhayalan Velauthapillai, B Saravanakumar, E Sunil Babu	AIP Conference Proceedings 2270, 110033 (**2020**)	I	978-0-7354-3998-6
10.	Electrochemical water splitting of Ag-WO_3 nanostructures	SP Keerthana, B Jansi Rani**,** **G Ravi**, R Yuvakkumar, Dhayalan Velauthapillai, B Saravanakumar, E Sunil Babu	AIP Conference Proceedings 2270, 110031 (**2020**)	I	978-0-7354-3998-6
11.	Free-Standing Nanoflake Array Bi-Induced Photoanodes ZrO_2 Fabrication for Photoelectrochemical (PEC) Water Splitting Applications	B JansiRani, A Anusiya, **G Ravi**, R Yuvakkumar	Recent Research Trends in Energy Storage Devices: Select Papers from IMSED 65(**2020**)	I	978-981-15-6396-6
12.	Dopant influence on phase and electrochemical performance of molybdenum sulfide nanostructures	S Swathi, BJ Rani, **G Ravi**, R Yuvakkumar	AIP Conference Proceedings 2162, 020110 (**2019**)	I	978-0-7354-1907-0
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14.	Role of different chelating agent in synthesis of copper doped tin oxide (Cu-SnO_2) nanoparticles	B. Saravanakumar, A. Anusiya, B. Jansi Rani, **G. Ravi**, R. Yuvakkumar	AIP Conference Proceedings 1953, 030192 (**2018**)	I	978-0-7354-1648-2
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18.	Facile synthesis of SnO_2/α-Fe_2O_3 nanocomposite for supercapacitor capacitor applications	B. Jansi Rani, B. Saravanakumar, **G. Ravi**, R. Yuvakkumar,	AIP Conference Proceedings 1953, 030111 (**2018**)	I	978-0-7354-1648-2
19.	Structural, morphological and optical properties of CeO_2 thin films deposited by RF sputtering	R. Murugan**,** G. Vijayaprasath, P. Sakthivel, T. Mahalingam, **G. Ravi**	AIP Conference Proceedings 1731, 080029 **(2016)**	I	978-0-7354-1378-8
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23.	Effect of magnesium addition on structural and magnetic properties of NiO, Co_3O_4 Nanoparticles	G. Anandha Babu, S. Thenmozhi, Y. Hayakawa, **G.Ravi**	AIP Conf. Proc. 1665, 050029 **(2015)**	I	0094-243X
24.	Effect of aluminium doping on structural and optical properties of ZnO thin films by sol-gel method	G. Vijayaprasath, R. Murugan, Y. Hayakawa, **G.Ravi**	AIP Conf. Proc. 1665 **(2015)** 080029-3	I	0094-243X
25.	Structural, compositional and morphological studies of thermally evoporated MoO_3 thin films	R.Senthilkumar, **G.Ravi**	AIP Conf. Proc., 1591, **(2014)**, 944-945. (0.0)	I	0094-243X
26.	Structural and optical properties of Ni added ZnO thin films deposited by sol-gel method	R. Murugan, G. Vijayaprasath, T. Mahalingam, N. Anandhan, **G.Ravi**	AIP Conf. Proc., 1591, **(2014)**, 922-924. (0.0)	I	0094-243X
27.	Synthesis an d Study on Structural, Morphological and Magnetic properties of nanocrystallin e Manganese Oxide	T Shrividhya, **G Ravi**, T Mahalingam, Y Hayakawa	International Journal of Science and Engineerin g Applications, (**2014**)	I	2319-7560
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29.	Growth and characterization of Sm_2O_3 thin films by spin coating technique	A. AmaliRoselin, N. Anandhan, **G. Ravi**, M. Mummoorthi, T. Marimuthu	International Journal of Chem Tech Research, 6, **(2014)**, 5315-5320.	I	0974-4290
30.	An effect of supporting electrolyte based CdO polycrystalline thin film prepared by electrodeposition method	M.Mummoorthi, N.Anandhan, T.Marimuthu, **G.Ravi**, T.Suganya	International Journal of Chem Tech Research, 6, **(2014)**, 5304-5308	I	0974-4290
31.	Surfactant Assisted Growth and Optical Studies of $NiCo_2O_4$ Nanostructures through Microwave Heating Method	G.Anandha Babu, Y.Hayakawa, **G.Ravi**	International Journal of Science and Engineering Applications Special Issue NCRTAM	I	2319-7560
32.	Synthesis and Study on Structural, Morphological and	T.Shrividhya, T.Mahalingam,	International Journal of Science and Engineering	I	2319-7560

	Magnetic properties of nanocrystalline Manganese Oxide	Y.Hayakawa, **G.Ravi**	Applications Special Issue NCRTAM		
33.	Effect of Cerium doping on NiO, Co_3O_4Nanoparticles and their Properties	G. Anandha babu, **G.Ravi**	International Journal of Chem Tech Research, 6, **(2014)**, 3388-3391.	I	0974-4290
34.	Structural, Optical and Magnetic Properties of Ni Doped ZnO Nanostructures Prepared by Co-Precipitation Method	G.Vijayaprasath, R.Murugan, **G.Ravi**	International Journal of Chem Tech Research, 6, **(2014)**, 3385-3387.	I	0974-4290
35.	Electrosynthesis of SnS thin films with pentagon hallow like architectures	T. Shrividhya, T. Mahalingam, **G.Ravi**	International Journal of Chem Tech Research, 6, **(2014)**, 3382-3384.	I	0974-4290
36.	Role of Co doping on structural and morphological properties of SnO nanoparticle	Vijayaprasath G, M.Arivanandhan, Y.Hayakawa, **G.Ravi**	AIP Conf. Proc., 1512, **(2013)**, 220.	I	0094-243X
37.	Room temperature ethanol sensing property of cubic nanostructure tungsten oxide (WO_3)	R.Senthilkumar, C.Sanjeeviraja, **G.Ravi,** M.Arivanandhan, Y.Hayakawa	AIP Conf. Proc., 1512, **(2013)**, 648	I	0094-243X
38.	Electro optic properties of DAST single crystal	MR. Manikandan, M.Arivanandhan, Y.Hayakawa, P.K.Gupta, S. Ganesamoorthy, **G.Ravi**	AIP Conf. Proc., 1536, **(2013)**, 699.	I	0094-243X
39.	Structural and morphological studies of electrochemically deposited SnS thin films	T.Shrividhya, T. Mahalingam, **G.Ravi**	AIP Conf. Proc., 1536, **(2013)**, 457.	I	0094-243X
40.	Effect of deposition time on the chemical bath deposition method of ZnO thin films	G.Vijayaprasath, M. Arivanandhan, Y. Hayakawa, **G.Ravi**	AIP Conf. Proc., 1536, **(2013)**, 527.	I	0094-243X
41.	NiS/ZnS multilayer thinfilm prepared by chemical bath deposition method	J.Yuvaloshini, Ra. Shanmugavadivu, **G.Ravi**	AIP Conf. Proc., 1536, **(2013)**, 489.	I	0094-243X
42.	Enhancement of saturation magnetization of NiO nanorods via microwave assisted route	G.Anandha Babu, M.Thangaraj, M.Navaneethan, M. Arivanandhan, Y. Hayakawa, **G.Ravi**	AIP Conf. Proc., 1536, **(2013)**, 1373	I	0094-243X
43.	Growth of optical quality 4-dimethylamino n-methyl 4-stilabazolioum tosylate (dast) single crystal by novel technique and their characterization advanced materials research	Manikandan M.R, Gopal Ram S.D, **Ravi.G**	Advanced materials research **(2012)**	I	0935-9648
44.	Structural and mechanical studies of cadmium manganese thiocyanate crystal	MR. Manikandan, G.Vijayaprasath, G.Anandha babu, G.Bhaga vannarayan, N.Vijayan, **G.Ravi**	AIP Conf. Proc., 1447, **(2012)**, 1285-1286.	I	0094-243X
45.	Structural, functional and optical studies on the amino	MR.Manikandan, T.Mahalingam, **G.Ravi**	AIP Conf. Proc., 1447, **(2012)**, 1273 – 1274.	I	0094-243X

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46.	Substrate effects on silar route synthesized CuO thin films	V.Dhanasekaran, **G.Ravi** Jin-Koo Rhee, T.Mahalingam	AIP Conf. Proc., 1447, **(2012),** 615 – 616.	I	0094-243X
47.	Surface morphological studies on cupric oxide thin films	T. Mahalingam, V. Dhanasekaran, M. Sangeetha Vidhya, T. Sasikumar, P. Joycee, **G.Ravi**	AIP Conf. Proc., 1349, **(2011),** 729 – 730.	I	0094-243X
48.	Microwave Treated Rapid Hydrothermal Synthesis OfZnO Nano-Flakes Array: The Effect Of Citric Acid As CappingAgent	S.D. Gopalram, M.Anbu kulandainathan, **G.Ravi**	AIP Conf. Proc, **(2010).**	I	0094-243X
49.	Two-color recording performance in Mn-doped near-stoichiometric LiNbO_3 crystals	Kenji Kitamura, Shunji Takekawa, **Ganesan Ravi**, Masaru Nakamura, Hideki Hatano	Proceedings of International Symposium on Photonics, Biophotonics, and Nanophotonics' 05, **(2005)**	I	
50.	Investigation on dark decay of two-color holograms in near-stoichiometric $LiNbO_3$ and $LiTaO_3$	Youwen Liu, Kenji Kitamura, Shunji Takekawa, **Ganesan Ravi**, Masaru Nakamura, Hideki Hatano	Nonlinear Optical Phenomena and Applications, 5646, (2005) 623-627	I	9780819456014
51.	Light-induced absorption under continuous-wave ultraviolet laser in Mn-doped near-stoichiometric $LiNbO_3$ crystals	Youwen Liu, Kenji Kitamura, **Ganesan Ravi**, Shunji Takekawa, Masaru Nakamura, Hideki Hatano	Conference on Lasers and Electro-Optics, **(2004)** CTuP50	I	1-55752-777-6
52.	Light-induced charge transport in Mn-doped near-stoichiometric $LiNbO_3$ under cw UV illumination	Youwen Liu, Kenji Kitamura, Shunji Takekawa, **Ganesan Ravi**, Masaru Nakamura, Hideki Hatano	Photorefractive Fiber and Crystal Devices: Materials, Optical Properties, and Applications X, 5560 (2004) 352-357	I	0819425591
53.	Studies of some amino acids mixed triglycine sulphate crystals	**G Ravi**, G Arunmozhi, S Aravazhi, S Anbukumar, P Ramasamy	Proceedings of 1994 4th International Conference on Properties and Applications of Dielectric Materials (ICPADM)	I	0-7803-1307-0

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