



Dr. A. Veera Ravi

Professor

Contact

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Academic Qualifications

Degree	Institution	Year	Branch	Class
Ph. D.,	Annamalai University CAS in Marine Biology Parangipettai	1996	Marine Biology and Oceanography Coastal Aquaculture	Gold Medal
M. Phil.,	Annamalai University CAS in Marine Biology Parangipettai	1990	Marine Biology and Oceanography	First
M. Sc.,	Annamalai University CAS in Marine Biology Parangipettai	1988	Marine Biology and Oceanography	First
B. Sc.,	Jamal Mohamed College Bharathidasan University Thiruchirappalli.	1986	Zoology, Botany and Chemistry	First

Teaching Experience : 25 Years

Position	Institution	Duration
Professor in Department of Biotechnology	Alagappa University, Karaikudi, Tamil Nadu.	2017- Till Date
Associate Professor in Department of Biotechnology	Alagappa University, Karaikudi, Tamil Nadu.	2014- 2017
Assistant Professor in Department of Biotechnology	Alagappa University, Karaikudi, Tamil Nadu.	2002- 2014
Head, Department of Microbiology	Vivekanandha College of Arts and Sciences for Women, Tiruchengode, Tamil Nadu.	1999- 2002
Senior Lecturer in the Department of Microbiology	PGP College of Arts and Science, Namakkal, Tamil Nadu	1998- 1999

Research Experience : 36 Years

Position	Institution / University	Duration
Ph. D., Programme (Embryonic and larval development of Portunid crabs)	Annamalai University CAS in Marine Biology Parangipettai	1990-96
Senior Research Fellow in a research project entitled “The Larval culture of commercially important Portunid crabs from Porto Novo Coast”	Sponsored by I.C.A.R, New Delhi	1990-93
M. Phil., Programme on Mangrove Gallotannins.	Annamalai University CAS in Marine Biology Parangipettai	1988-89

Academic and Additional Responsibilities

S.No	Position	UniversityBodies	Period	
			From	To
1	Director	Director of Collaborative Programmes (Alagappa University)	16-12-2022	Till date
2	Coordinator	Coordinator of Institution’s Innovation Council (Alagappa University)	09-12-2022	26.02.2024
3	Former HOD	Former HOD of Botany (Alagappa University)	24.07.2023	30.10.2023
4	Former Dean i/c	Former Dean i/c – College Development Council (Alagappa University)	28-02-2019	04-09-2020
5	Former Director	Former Director – Curriculum Development Cell (Alagappa University)	28-02-2019	04-09-2020
6	Former Special Officer	Former Special Officer – Planning and Development (Alagappa University)	03-06-2019	22-05-2020
7	Deputy Coordinator	RUSA Deputy Coordinator	04-02-2019	Till date

8	Member	Members of advisory committee ALUTES-2019	2019	2019
9	Member	Swachhata Ranking of higher education	2019	2019

Areas of Research

- Bacterial communication system- Quorum sensing
- Identification of Anti- QS compounds against Bacterial pathogens
- Probiotics for aquaculture
- Marine natural products
- Zebrafish model system for understanding bacterial infections
- Nanomaterials for aquaculture
- Photocatalytic bacterial deactivation
- Targeted therapy using bacterial membrane as nanocarriers.

Patents Filed

S. No	Title	Inventors	Application Number	Filing Date	Current Status
1.	Phytochemical formulations against early mortality syndrome (EMS)	Ravi AV , Santhakumari S, Durgadevi R, Alexpandi R and Pandian SK	201841010325	21.03.2018	Granted
2	Phytochemical formulations against early mortality syndrome (EMS)	Ravi AV , Santhakumari S, Durgadevi R, Alexpandi R and Pandian SK	201841010346	21.03.2018	Granted
3	An antibacterial composition and implementations thereof	Swetha TK, Pandian SK, Sivasankar C, Balamurugan K, Ravi AV , Bhaskar JP, Venkateswaran K, Deepa M, Das SS	201831008480	07.03.2018	Published
4	A composition comprising phytochemicals and applications thereof	Swetha TK, Pandian SK, Sivasankar C, Balamurugan K, Ravi AV , Bhaskar JP, Venkateswaran K, Deepa M, Das SS	201831008481	07.03.2018	Published
5	A composition comprising phytochemicals and applications thereof	Swetha TK, Pandian SK, Sivasankar C, Balamurugan K, Ravi AV , Bhaskar JP, Venkateswaran K, Deepa M, Das SS	201831008482	07.03.2018	Published
6	Antibacterial composition and uses thereof	Swetha TK, Pandian SK, Sivasankar C, Balamurugan K, Ravi AV , Bhaskar JP, Venkateswaran K, Deepa M, Das SS	201831008483	07.03.2018	Published

7	Phytochemical-based antibacterial composition and applications thereof	Abirami G, Ravi AV , Alexpandi R, Roshni PS, Karutha Pandian S	202241007803	14.02.2022	Published
8	A composition for aquaculture, process for preparing the composition and implementations thereof	Alexpandi R, Ravi AV , Abirami G, Roshni PS, Karutha Pandian S	202241007807	14.02.2022	Published
9	Phytochemical-based antibiofilm composition and applications thereof	Roshni PS, Ravi AV , Alexpandi R, Abirami G, Karutha Pandian S	202241011677	03.03.2022	Published

Ph.D. Thesis Evaluated / Viva Voce Conducted

Thesis Evaluated : 15

Vivavoce Examiner :26

Research Supervision/Guidance

Program of Study		Completed	Ongoing
Research	PDF	2	-
	Ph.D	11	3
	M.Phil	4	-
Project	PG	45	-
	UG/ Others	1	-

Publications

International		National		Others
Journals	Conferences	Journals	Conferences	Books/Chapters/Monographs/Manuals
71	71	28	28	5

Funded Research Projects

Cumulative Impact Factor (as per JCR) : 431.474

h-index : 39

i10 index : 77

Total Citations : 4786

Ongoing Projects:

S. No	Agency	Period		ProjectTitle	Budget (Rs. In lakhs)
		From	To		
1	RUSA 2.0 TBRP	2022	2023	Translational health Research for Human, Animal and Plant systems	8
2	RUSA Entrepreneur in residence (EIR)	2022	2023	Construction of a novel membrane nanovesicle prepared using tumor homing bacteria and platelets as a vehicle for carrying therapeutic cargos to target hypoxic tumors	2
3	RUSA Entrepreneur in residence (EIR)	2022	2023	Mass cultivation and fabrication of microalgae as an entrepreneurial venture by evaluating its bioactive molecules for the anti-quorum sensing potential against marine pathogens	2

Completed Projects:

S.No	Agency	Period		ProjectTitle	Budget (Rs.In lakhs)
		From	To		
1	UGC	01.04.2007	31.03.2008	Selection and evaluation of potential Probiotics for the commercial production of Mud Crab seeds (<i>Scylla serrata</i> , Portunidae)	1.00
2	DBT	22.09.2006	21.09.2009	Evaluation of bacterial diversity associated with coral <i>Acropora digitifera</i> by 16S rRNA gene sequences for antiviral activity against the aquaculture pathogen blotched Snakehead Virus"	36.315
3	UGC	01.02.2009	31.01.2012	Quorum quenching mediated attenuation of virulence genes expression of pathogenic <i>Vibrio harveyi</i> infection in <i>Penaeus monodon</i>	12.34
4	DBT	13.09.2010	12.09.2013	Bioprospecting marine microbial wealth through metagenomics	49.36
5	DBT	29.09.2012	28.03.2016	Antipathogenic potential of marine cyanobacteria in preventing quorum sensing dependent bacterial infections among aquaculture organisms	55.09

6	Tablets (India) Limited	01.07.2015	30.4.2018	Studies on effective control of EMS in the culture of <i>Litopenaeus vannamei</i>	22.26
7	Committee for Safety Research Programme (CSRP), Atomic Energy Regulatory Board (AERB), Govt. of India, Mumbai	21.04.2015	20.04.2018	Studies on microbial diversity and ecology in the vicinity of a coastal nuclear power plant in relation to water quality and nutrients	32.22
8	Evolva Biotech Private Limited	06.07.2017	05.07.2020	Anti-infective and antipathogenic efficacy of resveratrol against quorum sensing mediated virulence and biofilm formation of aquatic pathogens: A promising alternative strategy to antibiotic use in aquaculture	30.00
9	DAE-BRNS	2019	2022	Assessment & Monitoring of Biofouling Diversity of Cooling Water System of KKNPP & its control	49.40
10	RUSA 2.0 TBRP	2022	2023	Translational health Research for Human, Animal and Plant systems	10.94
11	Tamil Nadu State Government	07.05.2020	06.05.2022	Alternative to Antibiotics	100

Consultancy Projects:

S.No	Agency	Period		Project Title	Budget (Rs.In lakhs)
		From	To		
1	Tablets (India) Limited	01.07.2015	30.4.2018	Studies on effective control of EMS in the culture of <i>Litopenaeus vannamei</i>	22.26
2	Evolva Biotech Private Limited	06.07.2017	05.07.2020	Anti-infective and antipathogenic efficacy of resveratrol against quorum sensing mediated virulence and biofilm formation of aquatic pathogens: A promising alternative strategy to antibiotic use in aquaculture	30.00

Distinctive Achievements / Awards

- 2022 : Outstanding Researcher Award
- 2020 : Research Recognition Award
- 2019 : Distinguished Professor Award from DKIR Foundation
- 1996 : University Gold Metal for the best Ph.D., thesis.
- 1991-1994 : ICAR Senior Research Fellowship
- 1986-1988 : UGC's National Merit Scholarship during M.Sc.,

Events organized in leading roles

Number of Seminars /Conferences /Workshops/ Eventsorganized:

S. No	Position	Programme	Duration	Institution
1	Organizing committee member	Microbial Diversity and Infectomics	February 27-March 1, 2013	Department of Biotechnology, Alagappa University, Karaikudi
2	Organizing committee member	Role of Microbes in Health, Agriculture and Industry	March 26 & 27, 2012	Department of Biotechnology, Alagappa University, Karaikudi
3	Organizing committee member	Microbial Diversity: DNA to Database	February 23-25, 2012	Department of Biotechnology, Alagappa University, Karaikudi
4	Co-organizer	Proceedings of International Conference on Environmental Security for Food and Health	February 16-18, 2012	M. D. T. Hindu College, Tirunelveli, K. K. Trust, Chidambaram and EPS Global Medical Development Inc., Canada
5	Co-organizer	Biotechnology Exhibition	Feb 28 th Every Year	Alagappa University, Karaikudi
6	Organizing committee member	Biotechnology of Transgenesis: Scientific Progress and Social Issues	2003	Department of Biotechnology, Alagappa University, Karaikudi

Events Participated

Number of Conferences/Seminars/Workshops: 97

Membership

Professional Bodies

1. Life Member: Society of Biological Chemists, India (SBC)
2. Life Member: The Indian Science Congress Association
3. Life Member: Proteomics Society, India (PSI)
4. Life Member: Biotech Research Society, India (BRSI)
5. Life Member: Association of Microbiologists of India (AMI)

Advisory Board

Year/Period	Name of the BoS/Administrative Committee / Academic Committee	Role
Till date	M.Sc., Biotechnology, Alagappa University	Member
2015-2017	B. Sc., Biotechnology, Alagappa University	Member
2015-2017	B. Sc., Advanced Zoology & Animal Biotechnology	Member
2012-2015	B. Sc., Biotechnology, Alagappa University	Member
2011-2014	B. Sc., Microbiology, Alagappa University	Chairman
2011-2014	M. Sc., Microbiology, Alagappa University	Member
2013	M. Phil., Biotechnology, Alagappa University	Member

Academic Bodies in Other Institutes/Universities

Year/Period	Name of the BoS/Administrative Committee / Academic Committee	Role
2019-Till date	B.Sc., and M.Sc., Microbiology, Cauvery College, Thiruchirappalli	Member
2019-Till date	B.Sc., and M.Sc., Biotechnology, Cauvery College, Thiruchirappalli	Member
2019-Till date	M.Sc., Microbiology, Madurai Kamaraj University, Madurai	Member
2015-2017	B.Sc., and M.Sc., Biotechnology, Jamal Mohamed College, Thiruchirappalli	Member

Ph.D. Thesis Guided

- No. of PhD Thesis evaluated : 11
- No. of PhD Public Viva Voce Examination conducted : 11

S.No	Name of the Scholar	Title of the Thesis	Year of Completion
1	K. Syed Musthafa	Anti-quorum sensing and antimicrobial potential of marine sediment bacteria	Sept 2011
2	I. Sybia Vasantha Packiavathy	Studies on dietary phytochemicals as a source of quorum sensing inhibitors	Feb 2013
3	A Annaporani	Quorum sensing inhibitory potential of natural compounds against the virulence of bacterial	July 2013

		pathogens	
4	S. Santhakumari	Studies on marine cyanobacteria as a source of Anti-infective agents against Quorum sensing mediated virulence factors production and Biofilm formation of <i>Vibrio</i> spp in aquaculture	Dec 2017
5	K. Rama Devi	Deciphering the efficacy of natural antipathogenic agents against virulence and biofilm of Gram-negative bacterial pathogens	Jan 2018
6	R. Srinivasan	Anti-Quorum sensing and antibiofilm potential of Piper betle and its bioactive metabolite phytol against certain gram-negative bacterial pathogens: An in vitro and in vivo study.	Jan 2018
7	M. Sivaranjani	Antibacterial effect of alpha-mangostin on <i>Staphylococcus epidermis</i> RP62A and elucidation of mode of action through an integrated transcriptomic and proteomic approach	June 2018
8	AR Kannappan	Studies on the inhibitory efficacy of certain plant derived secondary metabolites against <i>Staphylococcus</i> spp, biofilm formation.	July 2018
9	R. Durgadevi	Multi-Targeting Antivirulence potential of Selective phyto-bioactive compounds against <i>Proteus mirabilis</i> through in vitro bioassays and proteomic approaches	Sept 2020
10	R. Alexpandi	Efficacy evaluation of Bioactive compounds from <i>Diplocyclos palmatus</i> and their TiO ₂ nanocomposites for photocatalytic water disinfection	Sept 2021
11	G. Abirami	Antivirulence and anti-infective potential of pyrogallol against <i>Acinetobacter baumannii</i> infection and assessing the wound healing prospects of pyrogallol-Chloramphenicol loaded hydrogel	July 2023
12	Roshni P. Swasthikka	Study on molecular mechanism of antimicrobial resistance and the role of therapeutic agents to control resistance development among bacterial pathogens	Ongoing
13	Zeeshan Hyderi	Deciphering the pathogenesis of microbial infections through proteomic approaches	Ongoing
14	K. Harini	Studies on novel molecular methods for the detection and treatment of microbial diseases among Marine organisms	Ongoing

List of Research Articles / Recent Publications

S. No	Authors/Title of the paper/Journal	Impact Factor
1	Abirami, G., Alexpandi, R., Jayaprakash, E., Roshni, P. S., & Ravi, A. V. (2024). Pyrogallol loaded chitosan-based polymeric hydrogel for controlling <i>Acinetobacter baumannii</i> wound infections: Synthesis, characterization, and topical application. <i>International journal of biological macromolecules</i> . 2024 Feb;259(Pt 1):129161	8.025
2	Karthika, C., Malligarjunan, N., Jothi, R. Ravi, A. V et al. Two novel phages PSPa and APPa inhibit planktonic, sessile and persister populations of <i>Pseudomonas aeruginosa</i> , and mitigate its virulence in Zebrafish model. <i>Sci Rep</i> 13, 19033 (2023).	4.6
3	Angusamy, A., Balasubramanian, V., Arunmurugan, B. Ravi, A. V. et al. Anti-infective potential of plant-derived quorum sensing inhibitors against multi-drug resistant human and aquatic bacterial pathogens. <i>World J Microbiol Biotechnol</i> 39, 147 (2023).	4.253
4	Roshni Prithiviraj Swasthikka, Rajaiah Alexpandi, Gurusamy Abirami, Ravindran Durgadevi and Arumugam Veera Ravi* . Hesperidin methyl chalcone, a citrus flavonoid, inhibits <i>Aeromonas hydrophilla</i> infection mediated by quorum sensing. <i>Microbial Pathogenesis</i> . Feb 8 2023. 10.1016/j.micpath.2023.106029.	3.848
5	Abirami, G., Alexpandi, R., Sudhin, S., Durgadevi, R., Roshni, P. S., Kumar, P., & Ravi, A. V. (2023). Pyrogallol downregulates the expression of virulence-associated proteins in <i>Acinetobacter baumannii</i> and showing anti-infection activity by improving non-specific immune response in zebrafish model. <i>International Journal of Biological Macromolecules</i> , 226, 853-869.	8.025
6	Alexpandi, R., Abirami, G., Murugesan, B., Durgadevi, R., Swasthikka, R. P., Cai, Y., & Ravi, A. V. (2023). Tocopherol-assisted magnetic Ag-Fe ₃ O ₄ -TiO ₂ nanocomposite for photocatalytic bacterial-inactivation with elucidation of mechanism and its hazardous level assessment with zebrafish model. <i>Journal of Hazardous Materials</i> , 442, 130044.	14.224
7	Lakshmi, Selvaraj Alagu, Rajaiah Alexpandi, Raja Mohamed Beema Shafreen, Kannapiran Tamilmuhilan, Adimoolam Srivathsan, Thirupathi Kasthuri, Arumugam Veera Ravi , Sugathan Shiburaj, and Shunmugiah Karutha Pandian (2022). Evaluation of antibiofilm potential of four-domain α -amylase from <i>Streptomyces griseus</i> against exopolysaccharides (EPS) of bacterial pathogens using <i>Danio rerio</i> . <i>Archives of Microbiology</i> . 1-10.	2.552
8	Alexpandi, R., Abirami, G., Balaji, M., Jayakumar, R., Ponraj, J. G., Cai, Y. & Ravi, A. V. (2022). Sunlight-active phytol-ZnO@ TiO ₂ nanocomposite for photocatalytic water remediation and bacterial-fouling control in aquaculture: A comprehensive study on safety-level assessment. <i>Water Research</i> , 212, 118081.	11.236
9	Alexpandi, Rajaiah, Gurusamy Abirami, Lakkakula Satish, Roshni Prithiviraj Swasthikka, Nataraj Krishnaveni, Rangarajan Jayakumar, Shunmugiah Karutha Pandian, and Arumugam Veera Ravi (2021). Tocopherol and phytol possess anti-quorum sensing mediated anti-infective behavior against <i>Vibrio campbellii</i> in aquaculture: An <i>in vitro</i> and <i>in vivo</i> study. <i>Microbial Pathogenesis</i> 161.	3.738
10	Manivannan, Arun Chandra, Vinitha Devaraju, Palanivel Velmurugan, Thangavelu Sathiamoorthi, Subpiramanyam Sivakumar, Suresh Kumar Subbiah, and Arumugam Veera Ravi (2021). "Tumorigenesis and diagnostic practice applied in two oncogenic viruses: Epstein Barr virus and T-cell lymphotropic virus-1—Mini review. <i>Biomedicine & Pharmacotherapy</i> . 142.	6.529

11	Alexpandi, Rajaiah, Jeyaraj Godfred Ponraj, Roshni Prithiviraj Swasthikka, Gurusamy Abirami, Thennarasu Ragupathi, Rengarajan Jayakumar, and Arumugam Veera Ravi (2021). Anti-QS mediated anti-infection efficacy of probiotic culture-supernatant against <i>Vibrio campbellii</i> infection and the identification of active compounds through <i>in vitro</i> and <i>in silico</i> analyses. Biocatalysis and Agricultural Biotechnology . 35.	3.28
12	Velmurugan, P., Kumar, R.V., Sivakumar, S. and Ravi, A.V (2021). Fabrication of blue fluorescent carbon quantum dots using green carbon precursor <i>Psidium guajava</i> leaf extract and its application in water treatment. Carbon Letters . 1-11. Jun.	0.380
13	Velmurugan, P., Venil, C.K., Ravi, A.V. and Dufossé, L (2021). Marine bacteria is the cell factory to produce bioactive pigments: A prospective pigment source in the ocean. Frontiers in Sustainable Production of Bioactive Pigments . Nov.	
14	Packiavathy, I.A.S.V., Kannappan, A., Thiyagarajan, S., Srinivasan, R., Jeyapragash, D., Paul, J.B.J., Velmurugan, P. and Ravi, A.V (2021). AHL-Lactonase Producing Psychrobacter sp. From Palk Bay Sediment Mitigates Quorum Sensing-Mediated Virulence Production in Gram Negative Bacterial Pathogens. Frontiers in microbiology . Apr; 12 748.	4.235
15	Suresh G, Balasubramanian B, Ravichandran N, Ramesh B, Kamyab H, Velmurugan P, Siva GV, Ravi AV (2021). Bioremediation of hexavalent chromium-contaminated wastewater by Bacillus thuringiensis and Staphylococcus capitis isolated from tannery sediment. Biomass Conversion and Biorefinery . Apr; 11(2): 383-91.	2.15
16	Velu M, Balasubramanian B, Velmurugan P, Kamyab H, Ravi AV , Chelliapan S, Lee CT, Palaniyappan J (2021). Fabrication of nanocomposites mediated from aluminium nanoparticles/ <i>Moringa oleifera</i> gum activated carbon for effective photocatalytic removal of nitrate and phosphate in aqueous solution. Journal of Cleaner Production . Jan 25; 281: 124553.	7.246
17	Rashiya N, Padmini N, Ajilda AA, Prabakaran P, Durgadevi R, Ravi AV , Ghosh S, Sivakumar N, Selvakumar G (2021). Inhibition of biofilm formation and quorum sensing mediated virulence in Pseudomonas aeruginosa by marine sponge symbiont Brevibacterium casei strain Alu 1. Microbial Pathogenesis . Jan 1; 150:104693.	2.914
18	Prasath KG, Alexpandi R, Parasuraman R, Pavithra M, Ravi AV , Pandian SK (2021). Anti-inflammatory potential of myristic acid and palmitic acid synergism against systemic candidiasis in <i>Danio rerio</i> (Zebrafish). Biomedicine & Pharmacotherapy . Jan 1; 133:111043.	4.545
19	Abirami G, Durgadevi R, Velmurugan P, Ravi AV (2020). Gene expressing analysis indicates the role of Pyrogallol as a novel antibiofilm and antivirulence agent against Acinetobacter baumannii. Archives of Microbiology . Sep 11: 1-0.	1.835
20	Durgadevi R, Abirami G, Swasthikka RP, Alexpandi R, Pandian SK, Ravi AV (2020). Proteomic analysis deciphers the multi-targeting antivirulence activity of tannic acid in modulating the expression of MrpA, FlhD, UreR, HpmA and Nrp system in <i>Proteus mirabilis</i> . International Journal of Biological Macromolecules . Sep 29.	5.162
21	Srinivasan R, Devi KR, Santhakumari S, Kannappan A, Chen X, Ravi AV , Lin X (2020). Anti-quorum Sensing and Protective Efficacies of Naringin Against Aeromonas hydrophila Infection in Danio rerio. Frontiers in Microbiology . Dec 3; 11:3087.	4.235
22	Durgadevi R, Kaleeshwari R, Swetha TK, Alexpandi R, Pandian SK and Ravi AV (2020). Attenuation of Proteus mirabilis colonization and swarming motility on indwelling urinary catheter by antibiofilm impregnation: an <i>in vitro</i> study. Colloids and Surfaces B: Biointerfaces , 111207.	4.389

23	Venkatramanan M, Sankar Ganesh P, Senthil R, Akshay J, Ravi AV , Langeswaran K, Vadivelu J, Nagarajan S, Rajendran K, Shankar EM (2020). Inhibition of Quorum Sensing and Biofilm Formation in <i>Chromobacterium violaceum</i> by Fruit Extracts of Passiflora edulis. ACS Omega . Sep 29.	2.58
24	Pravinkumar M, Ponraj JG, Ravi AV (2020). Efficacy of Evaluation of Gut Probiotics against White Gut and White Feces Disease in Litopenaeus vannamei Shrimp Aquaculture Systems in Two Different Geographical Regions of Andhra Pradesh. International Journal of Marine Science . Sep 18; 10.	3.593
25	Saikishore R, Velmurugan P, Ranjithkumar D, Latha R, Sathiamoorthi T, Arun A, Ravi AV , Sivakumar S (2020). The circular RNA-miRNA axis: A Special RNA signature regulatory transcriptome as potential biomarker for oral squamous cell carcinoma. Molecular Therapy-Nucleic Acids . Sep 6.	7.032
26	Elango D, Manikandan V, Jayanthi P, Velmurugan P, Balamuralikrishnan B, Ravi AV , Shivakumar MS (2020). Selection and characterization of extracellular enzyme production by an endophytic fungi <i>Aspergillus sojae</i> and its bio-efficacy analysis against cotton leaf worm, Spodoptera litura. Current Plant Biology . 23:100153.	3.26
27	Alexpandi R, Chandu VV. Muralee G, Durgadevi R, Hee-Je Kim, Pandian SK and Ravi AV (2020). Metal sensing-carbon dots loaded TiO ₂ nanocomposite for photocatalytic bacterial deactivation and control acute-hepatopancreatic necrosis disease (AHPND) in aquaculture. Scientific Reports , 10: 12883.	3.998
28	Alexpandi R, De Mesquita JF, Pandian SK and Ravi AV (2020) Quinolines-Based SARS-CoV-2 3CLpro and RdRp Inhibitors and Spike-RBD-ACE2 Inhibitor for Drug-Repurposing Against COVID-19: An in-silico Analysis. Frontiers in Microbiology . 11:1796.	4.235
29	Venil CK, Velmurugan P, Dufossé L, Devi PR, Ravi AV (2020). Fungal Pigments: Potential coloring compounds for wide ranging applications in textile dyeing. Journal of Fungi . Jun;6(2):68.	4.621
30	Balaji M, Nithya P, Kasirajan K, Alexpandi R, Mayakrishnan A, Palanisamy S, Jegatheeswaran S, Selvam S, Ravi AV , Karunakaran M, Cai Y (2020). Fabrication of heteroatom doped NFP-MWCNT and NFB-MWCNT nanocomposite from imidazolium ionic liquid functionalized MWCNT for antibiofilm and wound healing in Wistar rats: Synthesis, characterization, <i>in-vitro</i> and <i>in-vivo</i> studies. Materials Science and Engineering: C , 110791	5.88
31	Kannappan A, Durgadevi R, Srinivasan R, Lagoa R, Packiavathy IASV, Pandian SK and Ravi AV (2020). 2-Hydroxy-4-methoxybenzaldehyde from <i>Hemidesmus indicus</i> is antagonist to Staphylococcus epidermidis biofilm formation. Biofouling , (Article accepted, in press)	2.786
32	Princely SX, Puja P, Vinita MN, Devan U, Velangani AJ, Sunita S, Yuvakkumar R, Velmurugan P, Ravi AV , Govarthanan M, Kumar P (2020). Anti-proliferative and anti-migratory effects of flower-like bimetallic (Au@ Pt) nanoparticles. Materials Letters , 267, 127491	3.019
33	Suresh G, Kokila D, Suresh TC, Kumaran S, Velmurugan P, Vedhanayakisri KA, Sivakumar S, Ravi AV (2020). Mycosynthesis of anticancer drug taxol by <i>Aspergillus oryzae</i> , an endophyte of Tarenna asiatica, characterization, and its activity against a human lung cancer cell line. Biocatalysis and Agricultural Biotechnology , 24, 101525.	4.26
34	Abirami, G., Alexpandi, R., Durgadevi, R., Kannappan, A. and Ravi, A.V (2020). Inhibitory effect of morin against <i>Candida albicans</i> pathogenicity and virulence factor production: An in vitro and in vivo approaches. Frontiers in microbiology . 11.	4.325
35	Lee, J.H., Velmurugan, P., Ravi, A.V. and Oh, B.T (2020). Green and hydrothermal assembly of reduced graphene oxide (rGO)-coated ZnO and Fe hybrid nanocomposite for the removal of nitrate and phosphate. Environmental Chemistry and Ecotoxicology . 2,141-149.	3.742

36	Durgadevi, R., Abirami, G., Alexpandi, R., Nandhini, K., Kumar, P., Prakash, S. and Veera Ravi, A (2019). Explication of the Potential of 2-Hydroxy-4-Methoxybenzaldehyde in Hampering Uropathogenic <i>Proteus mirabilis</i> Crystalline Biofilm and Virulence. Frontiers in microbiology . 10, 2804	4.325
37	Alexpandi R, Prasanth MI, Ravi AV , Balamurugan K, Durgadevi R, Srinivasan R, De Mesquita J, Pandian SK (2019). Protective effect of neglected plant <i>Diplocyclos palmatus</i> on quorum sensing mediated infection of <i>Serratia marcescens</i> and UV-A induced photoaging in model <i>Caenorhabditis elegans</i> . Journal of Photochemistry and Photobiology B: Biology . 201, 111637.	4.383
38	Kannappan A, Santhakumari S, Srinivasan R, Pandian SK, Ravi AV (2019). <i>Hemidesmus indicus</i> , a traditional medicinal plant, targets the adherence of multidrugresistant pathogens to form biofilms. Biocatalysis and Agricultural Biotechnology , 21, 101338.	4.26
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