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Academic Qualifications

Degree	Institution	Year	Branch	Class
Ph.D.	Alagappa University, Karaikudi.	2019	*Physics	Awarded
M.Phil.	Alagappa University, Karaikudi.	2011	Physics	First
B.Ed.	Alagappa University, Karaikudi.	2010	Physical Sciences	First
M.Sc.	Alagappa University, Karaikudi.	2009	Physics	First

***Thesis Title:** Synthesis and Characterization of Co, Ni Based DMS Systems
for Gas Sensing Applications.

Teaching Experience

Position	Institution	Duration
Teaching Assistant	Dept. of Bioelectronics & Biosensors Alagappa University, Karaikudi.	18.06.2019 -till date

Areas of Research

Materials Science: Thin films, Metal Oxide Semiconductors, DMS materials, Gas sensors.

Publications

International		National		Others Books / Chapters
Journals	Conferences	Journals	Conferences	
11	3	6	2	-

Cumulative Impact Factor(as per JCR) : 13.8

h-index : 6 (Google Scholar)

i10 index : 5

Total Citations : 137

<https://scholar.google.com/citations?hl=en&user=7MXq6LUAAAJ>

List of Research Articles

Authors/Title of the paper/Journal	Impact Factor
S. Saravanakumar , KS. Usha and G. Vijayaprasath, Ammonia gas sensing performance of Co/Ni co-doped CdS thin films prepared by Chemical Bath Deposition Technique, <i>J. Mat Sci: Mater Electron</i> , 34:3(2023) DOI: https://doi.org/10.1007/s10854-022-09396-y .	2.9
S. Balamurali, S. Saravanakumar , R. Chandramohan and P.N.Magudeshwaran, SILAR Technique-Grown Mn Doped ZnO Thin Films, <i>Brazilian J. Phys.</i> (2021) DOI: https://doi.org/10.1007/s13538-021-00953-0 .	1.6
S. Saravanakumar , R. Premarani, R. Chandramohan, J. Jebaraj Devadasan and J. Thirumalai, Studies on Dilute Magnetic Semiconducting Co doped CdS Thin Films by Chemical Bath Deposition method. <i>J. Mater Sci: Mater Electron</i> , 28(2017)12092-99.	2.9
R.Premarani, S.Saravanakumar , R.Chandramohan, J.Jebaraj Devadasan and T. Mahalingam. Thirumalai, Structural, optical and magnetic properties of Ni-doped CdS thin films prepared by CBD, <i>J. Mater. Sci: Mater.</i>	2.9

<i>Electron.26 (2015)2059-2065.</i>	
V. Dhanasekaran, N. Soundaram, Seong - Li Kim, R. Chandramohan, Srinivas Mantha, S. Saravanakuamar and T. Mahalingam, Optical, Electrical and Microstructural studies on monoclinic CuO nanostructures Synthesized by a Sol-Gel route, <i>New J. Chem.(RSC)</i> ,(2014),doi: 10.1039/c4nj00084f.	3.8
R.Premarani, S.Saravanakumar , R.Chandramohan and T.Mahalingam, Structural and optical properties of Ni-doped CdS thin films prepared by chemical bath deposition method. <i>AIP</i> (2015) 0800581- 3.	0.5