

FACULTY PROFILE

Name : Dr. M. ARAVIND
Designation : Assistant Professor
Department : Physics
Official Address for Communication : National Engineering College,
K.R Nagar, Kovilpatti.
Official E-mail Id : aravind-sh@nec.edu.in
Mobile Number : 8940622583



1. Personal Details:

Date of Birth & Age : 24-03-1995 & 27
Sex & Marital Status : Male & Single
Nationality : Indian

Qualification

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Degree	Programme and Specialization	Class/CGPA	Month & Year of Passing	Institute/University
Ph.D	Physics (Nanotechnology)	I/9.25	July 2022	Manonmaniam Sundaranar University, Tirunelveli
M.Sc	Physics	I FWD/ 8.6	April 2018	Manonmaniam Sundaranar University, Tirunelveli
B.Sc	Physics	I /8.7	April 2016	Annai Velankanni College, Tholayavattam

Professional Experience:

Designation	Institution/Organization	Period	Nature of Duties
Senior Research Fellow (SRF)	SSN College of Engineering	7 Months 4 days	Research

Date of joining : 13-07-2022
Present status : Assistant Professor

2. Academic Achievements

2.1 Short term Courses /Seminars/ Conference/Workshops Attended:

S.No	Title	Programme	Date	Venue
1.	National Seminar in Material Science in Research and Technology (NSRTM-2013)	National Seminar	Oct-2013	Annai Velankanni College, Tholayavattam

2.	National seminar on Recent Trends in Advanced Physics(NSRTAP-2016)	National Seminar	Feb-2016	Annai Velankanni College Tholayavattam
3.	National workshop for legal awareness for women	National Workshop	Feb-2017	Manonmaniam Sundaranar University, Tirunelveli.
4.	National Seminar on Advances in Materials Science (NSAMS-2017)	National Seminar	March-2017	Manonmaniam Sundaranar University, Tirunelveli.
5.	Lemuria Continent National Conference	National Conference	Dec-2017	Manonmaniam Sundaranar University, Tirunelveli.
6.	Two Days Lecture Workshop on Developments in Chemistry	Workshop	July-2018	Manonmaniam Sundaranar University, Tirunelveli.
7.	National Conference on Energy Materials (NCEM-2018)(Oral Presentation)	National Conference	June 2018	Manonmaniam Sundaranar University, Tirunelveli.
8.	International Conference on Functional Materials and Nanotechnology (ICFMN-2019) (Oral Presentation)	International Conference	Jan 2019	Annai Velankanni College Tholayavattam
9.	National Conference on Advanced Functional Materials (NCAFM-2019)	National Conference	Feb-2019	S.T. Hindu College, Nagercoil
10.	Third National Conference on Advanced Materials (NCAM-2019) (Oral Presentation)	National Conference	Mar-2019	Nanjil Catholic College of Arts and Science, Kaliyakkavilai
11.	State Level Workshop on Sample Preparation and Data Acquisition	Workshop	Oct-2019	Nesamony Memorial Christian College, Marthandam
12.	National Workshop on “Nanomechanical and Tribological Characterization of Materials”,	National Workshop	04.03.2022, 05.03.2022	Centre for Nano science and Nanotechnology, Sathyabama Institute of Science and Technology, Chennai,
13.	National Webinar on “Experimental Techniques for the Fabrication & Characterization of Metal Oxide Thinfilms for the various Applications”	National Webinar	28.02.2022	PG &RESEARCH DEPARTMENT OF PHYSICS, Muthurangam Govt. Arts College (A), Vellore-02.
14.	2 nd International Webinar 4f-3d Magnetic Interactions in Rare-Earth Ferrite Oxide	International webinar	07.10.2021	PG & RESEARCH, DEPARTMENT OF PHYSICS, Muthurangam Govt. Arts College (A),

	(RFeO ₃) Single Crystals			Vellore-02.
15.	Webinar on “ Solar cells - an overview”	Webinar	09.06.2021	JP College of Arts & Science
16.	National Level Webinar on “Interpretation of One and Two Dimensional NMR Spectra”	Webinar	31.03.2021.	Nanjil Catholic College of Arts and Science, Kaliyakkavilai
17.	International Conference on Advanced Materials Behaviour & Characterization	International conference	18.07.2020 – 23.07.2020	Mattest Research Academy, Chennai
Faculty Development Program/ Refresher Courses				
1.	TEQIP-III sponsored FTDP at Department of Physics, Government college of Engineering, Bargur.	Two weeks FDP	19.08.2019 to 01.09. 2019	Government College of Engineering, Bargur.
2.	Refresher Course on Physics	Refresher Course	29.01.2018- 30.01.2018	Department of Physics, Manonmainam Sundaranar University, Tirunelveli.
3.	Six-Day Online International Faculty Development Program on Recent Trends in Applied Physics	One week FDP	25.07.2022 to 30.07.2022.	Department of Physics, Easwari Engineering College (Autonomous), Ramapuram, Chennai
4.	6-Day Hands-on Training on COMSOL MULTI-PHYSICS	Hands-on Training	25.09.2021 to 30.09.2021	SIAS Research Forum Kohinoor, Calicut University, Kerala

3. Awards

‘**Best Paper Presentation Award**’ on International Conference on Functional Materials and Nanotechnology (ICFMN-2019) organized by Department of physics, Annai Velankanni college, Tholayavattam.

4. Publications

International Journals : 12
 International Conference : Nil
 National Conference : 1

I. INTERNATIONAL JOURNAL PUBLICATIONS

Sl. No	Title of the paper	Authors	Journal	Volume, Pages Year
1.	Critical green routing synthesis of silver NPs using jasmine flower extract for biological activities and photocatalytic degradation of methylene blue	M.Aravind , Awais Ahmad, Ikram Ahmad, M. Amalanathana, Khalida Naseem, Sony M. Michael Mary, C. Parvathiraja, Shahid Hussain, Tahani Saad Algarni, Muhammad Pervaiz, Muhamma Zuber,	Journal of Environmental Chemical Engineering, (IF. 7.909).	Volume 9, Issue 1, 104877, February 2021.
2.	Structural, morphological, and optical properties of country egg shell derived activated carbon for dye removal,	Aravind. M , Amalanathan. M,	Materials Today: Proceedings	Volume 43, Part 2, 2021, Pages 1491-1495.
3.	Synthesis of TiO ₂ nanoparticles by chemical and green synthesis methods and their multifaceted properties,	M. Aravind , M. Amalanathan & M. Sony Michael Mary,	SN Applied Sciences	Volume 3, Article number: 409 (2021).
4.	A novel study on synthesis of egg shell based activated carbon for degradation of methylene blue via photocatalysis.	Ahmad, A., Jini, D., Aravind, M. , Parvathiraja, C., Ali, R., Kiyani, M. Z., & Alothman, A.	Arabian Journal of Chemistry, (IF. 6.165)	Volume 13(12), 8717-8722. (2020).
5.	Structural, optical, and biological properties of L-alanine single crystal by slow evaporation method.	Jini, D., Aravind, M. , Nirmal, L. J., & Ajitha, S.	Materials Today: Proceedings	Volume 43, 2032-2035.(2021).
6.	Electrical, structural, optical, biological properties of Rhodamine B dye doped zinc sulphate single crystals	Jini, D., Ajitha, S., Aravind, M. , Parvathiraja, C., & Muniyappan, M.	In AIP Conference Proceedings	(Vol. 2417, No. 1, p. 020019). (2021, October).
7.	Enhanced Photocatalytic and Biological Observations of Green Synthesized Activated Carbon, Activated Carbon Doped Silver and Activated Carbon/Silver/Titanium Dioxide Nanocomposites	M. Aravind , M. Amalanathan, M. Sony Michael Mary, C. Parvathiraja, Asma A. Alothman, Saikh M. Wabaidur & Mohammad Ataul Islam	Journal of Inorganic and Organometallic Polymers and Materials (IF.3.843)	Volume 32(1), 267-279. 2022.

8.	Evaluation of congo red dye doped magnesium sulphate crystal and their structural, optical, morphological, electrical and biological activities.	Jini, D., Ahmad, A., Aravind, M. , Ajitha, S., Parvathiraja, C., Mazyad, & Ali,	Journal of Molecular Structure, (IF: 3.82).	Volume 1260, Pp. 132837.(2022).
9.	Green synthesis of nano-silver using Syzygium samarangense flower extract for multifaceted applications in biomedical and photocatalytic degradation of methylene blue.	Basalius, H., Mani, A. , Michael, A., Mary, S. M., Lenin, M., Chelliah, P., ... & Islam, M. A	Applied Nanoscience, (IF: 3.62)	1-13.(2022).
10.	Synthesis of Silver Nanoparticles by Using Cassia auriculata Flower Extract and Their Photocatalytic Behavior,	S. Surendradev Prabula, Conchalish Hentry, B. Leema Rose, Chelliah Parvathiraja, Aravind Mani , Saikh Mohammad Wabaidur, Gaber E. Eldesoky, Mohammed Ataul Islam,	Chemical engineering and technology, Willey Publishers (IF: 2.215)	
11.	Synthesis of Silver Nanoparticles Using Syzygium malaccense Fruit Extract and Evaluation of Their Catalytic Activity and Antibacterial Properties.	Herbin, H. B., Aravind, M. , Amalanathan, M., Mary, M., Lenin, M. M., Parvathiraja, C., ... & Islam, M. A.	Journal of Inorganic and Organometallic Polymers and Materials, (IF.3.843)	Volume 32(3), 1103-1115.
12.	Catharanthus roseus leaf extract mediated Ag-MgO nanocatalyst for photocatalytic degradation of Congo red dye and their antibacterial activity.	Benisha, R., Amalanathan, M., Aravind, M. , Mary, M. S. M., Ahmad, A., Tabassum, S., ... & Ahmad, I.	Journal of Molecular Structure, (IF : 3.8)	Volume 1262, 133005.(2022).

II. NATIONAL CONFERENCE PUBLICATIONS

Sl.No	Title of the paper	Authors	Name of the conference	Venue	Pages Date
1.	Synthesis of nano silver using elachi seed powder and their antibacterial studies against bacteria	M. Aravind, C. Parvathiraja and S.Shailajha	National Conference on Energy Materials (NCEM-2018)	M.S University, Tirunelveli	29-30 2018