



MUSLIM ARTS COLLEGE

Azhagiamandapam, Thiruvithancode - 629 174, K.K Dist, Tamil Nadu, India

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Staff Information

PERSONAL INFORMATION

Name : Dr G. Edwin Sheela

Gender : Female

Bloodgroup :

Designation : Principal and Associate Professor

Date of Birth : 14-07-1965

Date of Joining : 22-09-1988

ADDRESS DETAILS

Door No : 15/52, BETHEL

Postal : Mandaikadu

Pincode : 629252

Country : India

State : Tamil Nadu

City : Nagar Coil

CONTACT DETAILS

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PARTICULARS OF EDUCATIONAL QUALIFICATION

Category	Degree	Specialization	Year of Passing	Name of the College	Name of the University	% of marks/Grade	Class
UG	B. Sc	Physics	1985	Christian College, Marthandam	M. K University, Madurai.	81	First
PG	M.Sc	Physics	1987	School of Physics	M. K University, Madurai.	63	First
M.Phil	M.Phil	Physics	2005	M.S.U. Education Centre	Manonmanium Sundaranar University	59	Second

Ph. D	Ph. D	Physics	2018	Women's Christian College, Nagercoil	Manonmanium Sundaranar University		
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NUMBER OF Ph.D SCHOLARS COMPLETED

S.No	Name of the Scholar	Register No	Year of Completion	Name of the University
1	Dr.P. R. Babila	19123092132011	2024	MS University
2	Dr. E. S. Ashlin	19123092132010	2025	MS University

NO OF Ph.D SCHOLARS REGISTERED UNDER GUIDANCE (University wise)

S.No	Name of the Scholar	Register No	Date of Registration	Name of the University
1	Mr. M.S. Anandha Prabhu	19123092131016	27-12-2018	MS University
2	Mrs. R. Amali	20213092132013	2020-12-30	MS University
3	Mrs. J. F. Joe Sherin	20113232132005	2020-03-09	MS University
4	Mrs.G.Gayatri Nair	21113092132004	27-01-2022	MS University

NUMBER OF PROJECTS RECEIVED FROM VARIOUS FUNDING AGENCIES

S.No	Name of the funding agency	Amount sanctioned	Amount Received	Under which plan
1				

RESEARCH ARTICLES PUBLISHED IN JOURNALS/PRCEEDINGS

S.No	Title of the article	Journal Name	ISSN No	Year of Publication	Volume/Issue/Page No.	Impact Factor
1	Structure and nonlinear Optical Property Analysis of L-Methioninium Oxalate : A DFT approach	Spectrochimica Acta Part A:Molecular and Biomolecular Spectroscopy	1386-1425	2015	Vol. 143 pp. 40â€“48	2.653
2	Design, Synthesis and Vibrational Spectroscopic Studies of the Nonlinear Optical Crystal 1-Histidine Potassium Chloride	Materials Today: Proceedings	2214-7853	2015	Vol. 2 pp. 987-991	0.96
3	Vibrational Spectral Investigations of L- Methioninium Acetate	Asian Chemistry letters	1001-8417	2015	Vol 19, 3&4. pp. 125-136	2.08
4	Studies on Molecular Structure and Vibrational Spectra of NLO crystal L- Glutamine Oxalate by DFT method	Indian Journal of Science and Technology	0974-6846	2017	Vol. 10(31), pp.1-23	0.160
5	Nonlinear Optical Properties with Spectral Analysis of DL-Valinium Nitrate- A DFT Approach	Asian Journal of Physics	0971-3093	2017	Vol.26(5-7) pp.221-235	0.315

6	Antimicrobial activity, Molecular docking, Spectroscopic, DFT and Vibrational analysis on 3-(4-Bromophenyl)-1-Methoxy-1-Methyl urea	Journal of Advanced Scientific Research	0976-9595	2022	vol.13 pp.38-53	7.745
7	Enhanced Photo catalytic Degradation of Methylene Blue Dye Under Direct Sunlight By Titanium Doped Tin Oxide Nano Particals	Journal of Advanced Scientific Research	0976-9595	2022	Vol.13(7) pp.114-122	7.745
8	Spectroscopic, Vibrational and Topology Analysis of (2R,3R)-Butanediol bis(Methanesulfonate)	Indian Journal of Science and Technology	0974-6846	2022	vol.15 pp.2500-2507	0.16
9	Optimized Geometry, NBO, MEP, Docking Analysis and Antimicrobial Activity of (2R,3R)-Butanediol Bis (methane sulfonate)	Asian Journal of Chemistry	0970-7077	2023	vol.35 pp.748-754	0.493

10	Theoretical density functional analysis with experimental, electronic properties, and NBO analysis on (RS) 3-(3,5-Dichlorophenyl)-5-methyl-5-vinylloxazolidine 2,4-dione	Chemical Physics Impact	2667-0224	2023	Vol.6 No:100186	2.552
11	Anti microbial activity, Vibrational, Electronic and Topology Analysis of 3,4,5-Trimethoxybenzaldehyde	Polycyclic Aromatic Compounds	1563-5333	2023	vol.44(5),pp.3100-3120	2.195
12	Synthesis, Antifungal Activity, Molecular Docking Studies, RDG Analysis, and DFT Computations on Structural Vibrational and Electronic Spectra of 3,5-Diamino-1,2,4-Triazolium Picrate	Polycyclic Aromatic Compounds	1563-5333	2023	vol.44(8),pp.5584-5608	2.195
13	Biogenic Synthesis of silver, Gold and Palladium Nanoparticles using Moringa Oleifera Seeds: Exploring photocatalytic, catalytic, and Antimicrobial Activities	Advances in Natural Sciences: Nano science and Nanotechnology	2043-6262	2023	vol.15(1),pp. 1-17	0.438

14	UV Light-Assisted Photodegradation of Industrial dyes by Graphene/Magnesium- Codoped Fe ₃ O ₄ Nanocomposites Synthesized Using the Coprecipitation Method	Semiconductor Optoelectronics	1001-5868	2023	vol.220(14),pp.1611-1644	0.281
15	Graphene/Bismuth- Co doped Fe ₃ O ₄ Nanocomposites for UV light-Assisted Photodegradation of industrial Dyes Produced by the co-precipitation Method	Tujin Jishu/ Journal of Propulsion technology	1001-4055	2023	vol.44(5),pp.5079-5112	1.4
16	Photodegradation of industrial dyes using graphene Zinc-Co doped Fe ₃ O ₄ nano composites prepared by the co-precipitation technique is assisted by UV light	Migration Letters	1741-8992	2023	vol.20(56),pp.1247-1284	1.6
17	Green Synthesis of ZnO, Fe ₃ O ₄ and TiO ₂ Nanoparticles:exploring enhanced bacterial inhibition,catalysis and photocatalysis for sustainable environmental applications	International Journal of Environmental Analytical Chemistry	1029-0397	2024		2.3

NATIONAL JOURNAL

S.No	Title of the article	Journal Name	ISSN No	Year of Publication	Volume/Issue/Page No.	Impact Factor
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IN SEMINAR/CONFERENCE PROCEEDINGS

S.No	Name of Seminar/Conference	International/National/Regional	Venue/Sponsor	Year of Publication	Page No	ISBN No/if any
1	National Conference on Emerging Trends in Applied Physics (NCETAP -2015)	National	Lekshmpuram college of Arts and Science, Neyoor	2015		
2	National Seminar on Advancements in Materials Science (AMS-2015)	National	Dept of Physics Government College for Women, Thiruvananthapuram, Kerala	2015		
3	National seminar on technologically Advanced Materials (NCTAM-2016)	National	Dept. of Physics , Muslim Arts College, Thirivithancode	2016		

4	National conference on Technology Innovation in Mechatronics, Energy Management & Intelligent Communication -2017	National	Lourdes Matha College of Science and Technology, Thiruvananthapuram, Kerala	2017		
5	International conference on Spectroscopy of Biomolecules and Advanced Materials (ICSBAM - 2017)	International	Christian College, Chengannur, Kerala	2017		
6	International Seminar on Technologically Advanced Materials (ISTAM-2019)	International	NBO analysis and Theoretical calculations of 3-(4 bromophenyl)-1 Methoxy-1-Methylurea	2019		

7	Fourth National Conferences on Advanced Materials(NCAM-2022)	National	Department of Physics, Nanjil Catholic College of Arts and Science, Kaliyakkavilai.	2022		
8	National Seminar on Functional Materials and Its Applications (NSFMA-2022)	National	Department of Physics and Research Centre, Muslim Arts College, Thiruvithancode	2022		
9	National Conference on Recent Trends in Physics (NCRTP-2022)	International	Department of Physics, Noorul Islam Centre for Higher Education, Kumaracoil, Kanyakumari District.	2022		

10	National Conference on Material Science(NCMS 2023)	National	Optimized geometry and Frontier Molecular analysis of 3-cynophenyl boronic acid	2023		
11	CSIR Sponsored National Conference on Materials Science and Green Technology (NCMSGT-2023)	National	Electronic Structure Analysis of 2,2,2-Trifluoro Acetophenone	2023		
12	International Conference on Perspectives in Vibrational Spectroscopy, (ICOPVS 2013)	International	Bishop Moore College, Mavelikara, Kerala	2013		
13	National Seminar on Materials Science in Research and Technology NSRTM-2013	National	Annai Velankanni College, Tholayavattam	2013		

14	5th International Conference on Perspectives in Vibrational Spectroscopy, ICOPVS 2014	International	Mascot Hotel, Thiruvananthapuram, Kerala	2014		
15	National Conference on Future Prospects in Multidisciplinary Research	National	Research Forum, Womenâ€™s Christian College, Nagercoil	2014		
16	National Seminar on Advances in Materials Science (NSAMS)	National	Department of Physics, MS University, Tirunelveli	2014		
17	National Conference on Recent Trends in Physics(NCRTP-2022)	National	Department of Physics,Noorul Islam Centre for Higher Education,Kumar acoil,Kanyakuma ri District.	2022		

18	National Conference on Material Science (NCMS 2023)	National	Department of Physics, St. Jude's College, Thoothoor	2023		
19	CSIR Sponsored National Conference on Materials Science and Green Technology (NCMSGT-2023)	National	Department of Physics, Noorul Islam Centre for Higher Education, Kumaracoil, Kanyakumari District	2023		
20	National Conference on Multidisciplinary Research Ethics	National	Mac Research Forum, Muslim Arts College, Thiruvithancode	2023		
21	International Conference on Prospective of Multifunctional Materials	International	St. Alphonsa College of Arts and Science, Karungal	2024		

22	International e-Conference on Advanced Materials for Sustainability (ICAMS-24)	International	Noorul Islam Centre for Higher Education, Kumaracoil	2024		
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IN SEMINAR/CONFERENCE/WORKSHOP ATTENDED

S.No	Name of Seminar/Conference/Workshop	International/National/Regional	Venue	Sponsor	From	To
1						

IN SEMINAR/CONFERENCE/WORKSHOP ORGANIZED

S.No	Name of Seminar/Conference/Workshop	International/National/Regional	Venue	Sponsor	Date	Served as organising Secretary/Convenior etc
1	National Conference on Technologically Advanced Materials	National	Muslim Arts College, Thiruvithancode	Department of Physics	06/09/2016	Chief Editor

BOOKS/CHAPTER IN A BOOK PUBLISHED

S.No	Name of the book	Publisher	Year	ISBN No
1				

AWARDS/RECOGNITION RECEIVED

S.No	Name of the Award	Issued by	Date	Venue
1	Best Presentation Award	UGC Sponsored National Seminar Analytical Techniques in Material Science		St.Joseph College for Women ,Aleppuzha
2	Appreciation Award	IITM Pravartak Technologies foundation and Infact Pro Trainers		MS University

SERVED AS RESOURCE PERSON

S.No	Name of the Seminar/Conference/Workshop	International/National/Regional	Date	Venue
1				

MEMBERSHIP IN ACADEMIC BODIES

S.No	Name of the forum	Acted as	Duration	Any other Information

1				
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ACTED AS EDITOR?REFEREE IN JOURNALS

S.No	Name of Journal	Editor/referee	International/National/R egional	ISSN/ISBN No
1				

ACADEMIC EXPERIENCE

Name of College	Whether Govt/Aided/S.F	Designation	Joining Date	Reliving Date	Years	Months	Days
Muslim Arts College	Self-Financed	Assistant Professor	22-09-1988	22-09-2004	16		
Muslim Arts College	Self-Financed	Associate Professor	23-09-2004	00-00-0000	20	5	

ADMINISTRATIVE/OTHER EXPERIENCE

Name of the Organization	Designation	Nature of Work	Joining Date	Reliving Date	Years	Months	Days
Muslim Arts College	Principal	Adminisrative Work	06-10-2018	00-00-0000	6	4	

OTHER ACADEMIC INFORMATION

Joint Secretary of Office Bearers in MS University Principal's Association during 2019-2022

Member of Standing Committee on Academic Affairs by Principals of Affiliated Colleges from 25-08-2022 to 24-08-2025

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