

Name : Mrs. R. REVATHI
Designation : Assistant Professor
Department : Department of Physics
Qualification : M.Sc., M. Phil., B.Ed.,(Ph.D.)
Experience : Teaching: 9 Years 5 Months Research:4 Years
Area of Specialization(s) : Nanomaterials, Thin film technology
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Academic Qualifications

Degree	Branch	Institution / University Name	Year of Graduation
Ph.D.	Physics	PSGR Krishnammal college for women	Pursuing
M.Phil.	Physics	Kongunadu arts and science college, Coimbatore	2007
M. Sc.	Physics	Kongunadu arts and science college, Coimbatore	2005
B. Sc.	Physics	PSGR Krishnammal college for women	2003
B.Ed.	Physical Science /English	Avinashi lingam University	2008

Research Publications (Indexed)

National

Other Publications: International / National Journals

1. R.Revathi & T.Nithin "GREEN SYNTHESIS OF SILVER NANOPARTICLES USING OCIMUM TENUIFLOURUM LEAF EXTRACT", Web Conference Proceedings, pp 104, July 2020, ISBN : 978-9-38963-158-6.
2. R.Revathi & H Swathi "GREEN SYNTHESIS OF COPPER OXIDE NANOPARTICLES USING CULM LEAVES AND STEM EXTRACT", AEGAEUM JOURNAL, Volume 8, Issue 8, November 2020, 0776 3808.
3. R. Revathi & R. Karunathan "STRUCTURAL AND OPTICAL PROPERTIES OF THERMAL EVAPORATED INDIUM TELLURIDE THINFILMS", Nanoscale Reports, Vol. 1, No. 1, pp-21-25, July-18, DOI: 10.26524/nr1813.

Presentations in Conference

1. Presented a poster entitled Biophysical characterisation of plant mediated copper oxide nano particle in “A Two day International Virtual Conference on Advanced Materials for Emerging Technologies (ICAMET-21)” organized by Research Faculty Enrichment Council (RFEC), Sri Ramakrishna Mission Vidyalyaya College of Arts and Science, Coimbatore -641 020 on 26-Apr-21 and 27-Apr-21.
2. Green Synthesis of Copper Nanoparticles from Tulasi (*Ocimum Tenuiflorum*) Leaf aqueous extract and its Antimicrobial Activity, International Conference on Nanoscience and Nanotechnology, Department of Physics and Nanotechnology, SRM IST, India, 1-3 February 2021.
3. Synthesis and Characterization of Copper Sulphate Doped Culm Leaves Extract, 24th National seminar on crystal growth and applications, Department of Physics, Periyar University, Salem, 3-5 February 2020.
4. Structural and Optical Properties of Thermal Evaporated Indium Telluride Thinfilms, National Conference on Emerging materials for sustainable future, Department of Physics, PSG College of Technology, Coimbatore, 9-Feb-18 to 10-Feb-18.
5. Structural and Optical Properties of Thermal Evaporated Indium Telluride Thin Films, National Workshop on Luminescent Materials (NWLM 2016) organized by GRD Centre for Materials Research, PSG College of Technology, Coimbatore, 26-Feb-16.

Participation in Conference

National

1. International Conference on Nanoscience and Nanotechnology, Department of Physics and Nanotechnology, SRM IST, India, 1-3 Feb-21.
2. 24th National seminar on crystal growth and applications, Department of Physics, Periyar University, Salem, 3-5 Feb-20.
3. National conference on Nanomaterials for energy and medical applications, SNS college of Technology, Coimbatore, 20th Nov-19.
4. National conference on emerging materials for sustainable future, PSG College of Technology, Coimbatore, 9-Feb-18 to 10-Feb-18.
5. National conference on emerging education models for 21st century learner, Dr.NGP Arts and Science College-Coimbatore. 1-oct-15.

Participation in Seminars

1. Advanced materials and solar energy, KPR Institute of Engineering and Technology- Coimbatore, 28-oct-15.

Participation in Workshop

1. One day workshop on Science Communication, PSGR Krishnammal college for women, Coimbatore, 20th December 2019.
2. One day workshop on Rural immersion – Community Engagement, Dr. N. G. P. Arts and Science college, Coimbatore, 21st September 2019.
3. Shock waves in science, engineering and medicine, Kumara guru College of Technology, Coimbatore, 6-July-17 to 7-July-17.
4. Theoretical and experimental physics, PSG College of technology during 30- Dec-15.

Participation in Orientation Programme / Short Term Courses

1. Solar photovoltaics fundamentals, Technology and Applications, NPTEL, 2020-21.
2. Nanotechnology and Nano sensor's part 1, Online course through Course era, September 2020.
3. One-week Online course "Non -linear Dynamics – An Introduction", School of Physics, Bharathidasan University, Tiruchy, July 2020.
4. Selection of nanomaterials for energy harvesting and storage application, NPTEL –Online Certification course, July-August 2019.

Participation in Faculty Development Programme

1. Seven-day online faculty programme on Research methodology and pedagogy for tertiary education, Dr. N.G.P. Arts and Science College, Coimbatore, 15-21-June-21.
2. Teqip III sponsored One-week e-FDP on "Materials for Semiconductor Devices and PV Modules", organized by CoE in Advanced Materials Research, IEEE PES-SSIT, Department of Electrical and Electronics Engineering in association with FET MJP, Rohilkhand University, Bareilly, U.P. from 8th -13th March 2021.
3. Seven-day faculty programme on NAAC revised accreditation framework & OBE assessment methodology, Dr. N.G.P. Arts and Science College, Coimbatore, 27-May-19 to 2-June-19.
4. Selection of nanomaterials for energy harvesting and storage application, NPTEL- AICTE FDP, July-Aug-2019.

3. Quality initiatives in higher education, Dr. N.G.P. Arts and Science College, Coimbatore, 3-Dec-18 to 9-Dec-18.

5. Faculty development programme on engineering materials and its applications, Dr. N.G.P. Institute of Technology, Coimbatore, 11-Jan-18.

6. Infrared spectroscopy for pollution monitoring, NPTEL- AICTE FDP, 7- Sep-18.

Member in BoS

Board of Studies, Department of Physics, Department of Physics, Dr. N. G. P. Arts and Science college, Coimbatore, 2019-2022.

Membership in Professional Bodies

Name of the Professional Body	Nature of membership	Duration
Indian Society for Technical Education	Lifetime	-
All India Council for Technical Skill Development	Lifetime	-

Awards / Honors

Awards / Honors	Agency / Institute	Year of Award
Best Paper for Poster Presentation award	Periyar University, Salem	February 2020
Best Mentor Award	Dr. N. G. P. Arts and Science college, Coimbatore.	2019-2020