

Faculty profile:



Dr. B. Uma

Qualification : M.Sc., M.Phil., Ph.D.

Designation : Assistant Professor

Years of Experience: UG: 6Yrs PG: NIL

Previous Experience: UG: 17 Years PG: 4 Months

Area of Specialization: Materials Science, Crystal growth

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#### MEMBERSHIP

S.No.	Details	State/National/International
1	Indian Association for Crystal Growth	National
2	Indian Society for Technical Education	National

#### WORKSHOPS

S.no.	Organized by	State/National/International	Topic	Date(s)
1	Dean of Research and Academics, Ethiraj College for Women, Chennai	State level	Academics and Research 2017	01.02.2017
2	IQAC, Ethiraj College for Women, Chennai	State level	NAAC Regulations : A Holistic Approach	12.10.2019
3	Department of Physics, ArulmiguPalaniandavar Arts College for Women, Palani	Online State level Workshop	“Materials Science and Applications”	29.05. 2020.

4	SSN Research Centre, SSN Institutions, Chennai	Indo- Japan Workshop	Silicon Crystal Growth for Photovoltaic Applications	07.01.2022
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### SEMINARS

S.no.	Organized by	State/national/international	Topic	Date(s)
1	Department of Physics and Chemistry, SSM Institute of Engineering and Technology, Dindugal.	International	Virtual Seminar on Materials and their Applications	18.6.22 & 19.06.22
2	Department of Physics, V.V. Vaniperumal College for Women, Virudhunagar	National	Recent Advancements in Material Science	14.03.22
3	Department of Chemistry, IQAC in association with BoS chemistry, MGV Nashik & Centre for Advanced Computational Chemistry Studies, New Delhi.	National	Application of Computational Quantum Chemistry and Molecular Docking	16.04.22

### FDP/STTP

S. No.	Organized by	State/National/International	Topic	Date
1	MHRD, University of Madras	National	Orientation Programme	01.02.2019- 28.02.2019

2	Ethiraj Centre for Research, Innovation and Creativity, Ethiraj College for Women, Chennai	State	Research, Innovation and Creativity	14.09.2019
3	Ramanujam College, University of Delhi	National	Managing Online Classes and Co-Creating MOOCS 2.0	8.5.2020-3.06.2020
4	PG Department of Journalism, Ethiraj College for Women, Chennai	State	Research Funding and Publication	26.5.2020-28.5.2020
5	Department of Electronics and Communication Engineering, R.M.K. Engineering College, Kavaraipettai.	State	Role of Technology in Post Covid World	12.5.2020
6	Department of Physics, SSN Research Centre, SSN Institutions, Chennai	National	Indian Summer School on Crystal Growth	14.05.2020-23.05.2020
7	Department of Physics & Chemistry, St. Joseph Institute of Technology, Chennai.	State	Frontiers in Scientific Research and Technology	11.6.2020-13.6.2020
8	ICSI-SIRC and New College, Chennai	State	Recent Amendments in Companies Act 2013	27.05.2020
9	MHRD, University of Madras	National	Online Refresher Course in Physics	27.11.2020-10.12.2020

10	Ethiraj College for Women, Chennai	State	Creating and Managing a Course in LMS	05.07.2021-20.07.2021
11	Tamil Nadu State Council for Higher Education HRDC, University of Madras, Directorate of Collegiate Education	State	Inservice Teachers Training Programme for University and College Teachers	18.04.2022 & 19.02.2022
12	Ramanujan College, MHRD, University of Delhi	National	Online Two Week Refresher Course in Physics	31.10.2022 -14.11.2022

#### WEBINARS

S. No.	Organized by	State/National/International	Topic	Date
1	Department of Physics, Jerusalem College of Engineering, Chennai	State	Fascinating Phase Singularities	29 <sup>th</sup> May 2020
2	Department of Physics, Justice Basheer Ahmed Sayeed College for Women, Chennai	State	Physics Webinar Series	26 <sup>th</sup> to 28 <sup>th</sup> May 2020
3	Department of Physics, Vivekananda College of Arts and Science, Elayampalayam, Tiruchengode, Nammakkal District, Tamil Nadu	State	“Recent Advancements in Bio & Nanomaterials	30.05.2020

4	Department of Physics, KPR institute of Engineering and Technology, Arasur, Coimbatore	State	Glimpse of Matlab	27.5.2020
5	Department of Physics, Prathyusha Engineering College, Chennai	State	Recent Advances in Crystal Technology	28.5.2020
6	Department of Corporate Secretaryship, Ethiraj College for Women, Chennai	State	Plan your Financial Future Today	2.6.2020
7	Department of Physics, Kumaraguru College of Technology, Coimbatore	State	Shock Waves- A Potential Tool for Tailoring Materials Property	22.5.2020
8	Lady Doak College, Madurai	National	Non Optical Behaviour of Nanomaterials	28.5.2020
9	Academy of Physics Teachers, Kerala	National	Unsolved Problems in Physics	22.5.2020
10	Department of Physics, AMET University	National	“NANOMATERIALS FOR SOLAR CELL APPLICATIONS	10.06.2020
11	Department of Chemistry, Mookambigai College of Engineering, Pudukottai.	State	Ideas of Green Chemistry for Sustainable Development of Clean Environment	18.06.2020

12	Department of Chemistry, Saveetha Engineering College, Chennai	State	Publishing in International Journals of High – Do's and Dont's	25.06.2020
13	Department of Chemistry & Physics, Government Arts College , Salem	National	EPR Spectroscopy and its Applications	26.06.2020
14	Centre for Material Science, Karpagam Academy of Higher Education	International	Super Capattery- A future bridge to connect energy storage and conversion technology	20.11.2021