

: Name: Dr. N. KAVITHA
Qualification : M.Sc, M.Tech., PhD, SET



Designation : Assistant Professor
Years of Experience: UG: 13 years 3 months PG:
Previous Experience: UG: PG:
Area of Specilization: Materials Science
Email-ID : kavitha.n@ethirajcollege.edu.in

WORKSHOPS

S.no.	Organized by	State/National/International	Topic	Date(s)
1	MIT campus, Anna University, Chennai – 44.	State	Pedagogy	26/06/2019

CONFERENCES ATTENDED / PRESENTED PAPER

S.no.	Organized by	State/National/International	Participated /Presented	Title	Date(s)
1	SSN Institutions, kalavakkam, Chennai- 603110	International	Participated	Sustainable Materials and Technologies for Bio and Energy Applications (SMTBEA - 2021)	19/05/2021 to 21/05/2021

SEMINARS

S.no.	Organized by	State/national/international	Topic	Date(s)
1	Department of Ceramic Technology, Anna University, Chennai in collaboration with Indian Ceramic Society, India	National	Porous Ceramics	27/05/2016 to 28/05/2016

CERTIFICATE COURSES /VALUE ADDED COURSES

S.no.	Offered by	Topic	Duration
1	IIT BombayX-Lakshaya	LaTeX for Students, Engineers, and Scientists	6 Weeks[Jan - April 2021]
2	Swayam - NPTEL	Physics of Materials	12 Weeks[Sep – Dec 2020]
3	Swayam - NPTEL	Structural Analysis of Nanomaterials	4 Weeks [Sep-Oct 2020]
4	Swayam - NPTEL	Non-Conventional Energy Resources	12 Weeks[Jan – April 2020]
5	Swayam - NPTEL	Materials Science and Engineering	8 Weeks[Jan – Mar 2020]
6	Swayam - NPTEL	Nanotechnology, Science and Applications	8 Weeks[July – Sep 2019]

JOURNAL PUBLICATIONS

S.NO	JOURNAL NAME	UGC /SCI/SCIE/ WOS	ISBN / ISSN NUMBER	REFERENCE	DATE OF PUBLICATION/ DOI
1	Vacuum	SCI	0042-207X	160, pp.453-460	https://doi.org/10.1016/j.vacuum.2018.12.004
2	Materials Research Express	SCIE/WOS	2053-1591	5(6), p.066109	https://doi.org/10.1088/2053-1591/aacd1e
3	Journal of Superconductivity and Novel Magnetism	UGC/SCI/SCIE	1557-1947	29(8), pp.2151-2157	https://doi.org/10.1007/s10948-016-3524-0

FDP/STTP

S.no.	Organized by	State/National/International	Topic	Date(s)
1	Mohamed Sathak A J College of Engineering, Chennai	State	Growth, Characterization of NLO materials and Spectroscopic studies	10/06/2021 to 12/06/2021
2	Sree Saraswathi Thyagaraja College, Pollachi	State	Recent developments in Material Science-	16/06/2021 to 22/06/2021

			21	
3	NIT, Calicut	National	Novel Materials	21/06/2021 to 25/06/2021
4	Department of Electronics & Communication Engineering, Swarnandhra college of Engineering and Technology, kakinada	National	Emerging Trends in nanomaterials for Electronic and Optoelectronic Devices” (Series I: Synthesis and Functionalization of Nanomaterials)	10/05/2021 to 15/05/2021
5	Department of Electronics & Communication Engineering, Swarnandhra college of Engineering and Technology, kakinada	National	Emerging Trends in nanomaterials for Electronic and Optoelectronic Devices” (Series II: Fabrication and Characterization of Nanoelectronic Devices)	17/05/2021 to 21/05/2021
6	KPR Institute of Science and Technology.	National	Energy Storage	22/02/2021 to 26/02/2021
7	Department of Physics, Adikavi Nannaya University, Rajamahendravaram	National	Advances in Nanomaterials & Single crystals on Practical device applications	03/02/2021
8	Physics division of Department of Science and Humanities, Dr. Mahalingam College of Engineering and Technology, Pollachi	National	“ Nano materials for clean energy and Environmental Applications – Phase III	23/11/2020 to 28/11/2020
9	Physics division of Department of Science and Humanities, Dr.	National	Nano materials for clean energy and Environmental Applications –	16/11/2020 to 21/11/2020

	Mahalingam College of Engineering and Technology, Pollachi		Phase II	
10	SRM Institute of Science and Technology, Chennai.	National	Novel Materials	09/11/2020 to 13/11/2020
11	Physics division of Department of Science and Humanities, Dr. Mahalingam College of Engineering and Technology, Pollachi	National	Nano materials for clean energy and Environmental Applications	02/11/2020 to 07/11/2020

WEBINARS [National/International]

S.no.	Organized by	State/National/International	Topic	Date(s)
1	Department of Science and Humanities (Physics), Nehru Institute of Technology, Coimbatore	National	Recent Developments & Future advancements in Nano-Technology	05/05/2021
2	JP College of Arts and Science, Tenkasi, Tamilnadu.	State	Synthesis of Nanocomposite Materials and Recent Applications	10/05/2021

Activities

S.No	Date of the Event	Title of the Workshop/Seminar/Webinar/FDP	Category (National/International/State)	Name of expert(s) invited along with name of Institution(s)
1	8th, 9th & 10th February 2017	Global Conference on Cosmology and Frontiers in Applied Astro Science” (CFAAS 2017) in collaboration with the Aryabhata Institute of Astro Science, Sreerangam, Tamil Nadu.	International	Dr. Sanjeev Dhurandhar Gravitational Waves Group (LIGO), IUCAA and Dr. R.K. Kotnala, NPL, CSIR Dr. Annapurni Subramanian, Professor of Astrophysics from IAP, Dr. Rachel Webster, Head, Astrophysics Group, University of Melbourne Dr. Claudia Maraston, Professor of Astronomy, Institute of Cosmology and Gravitation, UK
2.	5th February 2018	Symposium: Low Temperature Physics	National	Dr K.Sethupathi,IIT Madras Dr Pratap Raychaudri, TIFR, Mumbai Dr Sangeetha Bose, TIFR, Mumbai Dr Kamala Bharathi, SRM University, Kattankulatur.
3.	February 2020	International Multidisciplinary Conference on Biosphere conservation – Emerging vistas in Science, Economics and in Tamil Literature	International	Dr Rajasekaran, Govt Arts and Science College, Cheyyar
4.	27th July 2018	Lecture: Basics of Sky Watching to mark the longest central lunar eclipse of the century.		Dr. M. Chrisphin Karthick, Assistant Professor, Department of Physics, Loyola College, Chennai
5.	23rd August 2018	Guest Lecture: Black Holes and Wormholes		Dr. Satish Kumar Saravanan, Guest Researcher at Max Planck Institute for Gravitational Physics, Germany

6.	10th October 2019	Presentation: Night Sky Watching		Dr. Jayanthi Narendran, Former Additional Director General of Meteorology, Pune & Advisor to Centre for Climate Change and Adaptive Research, Anna University
7.	28th February 2020	Sir C.V. Raman Lecture Series was conducted by Department of Physics at Ethiraj College for Women.	State	Prof K.Gunasekaran , University of Madras, Dr Prabha Mandayam, IIT Madras Dr Prof M.S Narayanan, Visiting Professor SRM University
8.	6 th December 2019	Guest Lecture: "Astrophysics and biochemical Evolution of life"	State	Dr.Sohan Jheetha, Head Researcher at the 'Network of researchers on The Chemical Evolution of Life', and Dr. Chrisphin Karthik , Assistant Professor, Indian Institute of Astrophysics Bangalore
9.	15th February 2020	Symposium: Green Energy Principles in Cosmology.	National	V RAJASEKAR Senior Scientist, Head, Solid Rocket Stages Mechanical Integration Indian Space Research Organisation (ISRO), Trivandrum Dr.Tmt. P MALAR Research Associate Professor SRM Institute of Science and Technology, Kattankulathur
10.	22nd July 2020	Webinar: Surface Enhanced Raman Spectroscopy: A Novel Physics - Based (Nano) Technology for Trace Molecules Detection	State	Dr. D. Bharathi Mohan, Assistant Professor, Department of Physics, School of Physical, Chemical and Applied Sciences, Pondicherry University

11.	22nd July 2020	Webinar: Nanomagnetic and Multifunctional Materials	State	Dr. C. Gopalakrishnan, Associate Professor, Department of Physics & Nanotechnology, SRM Institute of Science and Technology, Kattankulathur
12.	28th May 2020	Webinar: Moodle LMS - Install, Create class, Add content and Enroll Students	State	Dr. K. Saravanakumar, Assistant Professor, Department of Physics, Shri. S. Ramaswamy Naidu Memorial College, Sathur, Tamilnadu
13.	29th May 2020	Webinar: Advances in Material Sciences	State	Dr. Anbarasu, Associate Professor, Department of Physics, PSG College of Technology, Coimbatore
14.	16th February 2021	Motivational Talk: Time Management Strategies in the Evolution of an Integrated Personality	State	Dr. E. Theboral Sugi, Former Dean and Professor, Department of Physics, Saveetha University, Chennai
15.	1st March 2021	Webinar: The Nanophysics Age: Current Trends and Future Prospects	State	Dr. J. Merline Shyla, Director, Loyola Institute of Frontier Energy (LIFE), and Dean of Sciences, Loyola College, Chennai
16.	3rd March 2021	Seminar : Research expertise in Materials Science	State	Dr. D. Paul Joseph, Assistant Professor, Department of Physics, National Institute of Technology, Warangal
17.	5th March 2021	Seminar : Research expertise in Materials Science	State	Dr. M. Senthil Pandian, Research Scientist, SSN Institutions, Rajiv Gandhi Salai, Kalavakkam
18.	4th May 2021 and 17th September 2020	Online Workshop Series I & II: Training for students on application of the software, Astrometrica, used in the discovery of Asteroids.	State	Ms. Illavenil, Founding member of Citizen Science, Coordinator of Hands on Universe (IHOU), India
19.	29th October 2021	Webinar: Need for Nuclear Energy - Public Awareness activity	State	Dr. R. Venkatesan , HEAD RESD, IGCAR, Jalaja Madan Mohan , Head TCPAS and M. Ramu, Sr. Scientific Assistant.