



AALIM MUHAMMED SALEGH COLLEGE OF ENGINEERING

Nizara Educational Campus, Muthapudupet, Avadi IAF, Chennai – 600 055.

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DEPARTMENT OF PHYSICS

NAME & INITIALS	SURESH KUMAR K
DESIGNATION	Associate Professor
EDUCATIONAL QUALIFICATION	M.Sc., M.Phil., PhD.,
EXPERIENCE	17 YEARS
DATE OF JOINING	17.10.2008
EMAIL ID	k.sureshkumar@aalimec.ac.in
AREA OF SPECIALISATION	PHYSICS , ADVANCED CONDENSED MATTER PHYSICS,NANOMATERIALS



EDUCATIONAL QUALIFICATION

DEGREE	BRANCH / SPECIALIZATION	INSTITUTION	UNIVERSITY	YEAR
Ph.D	PHYSICS/NANO MATERIALS	COLLEGE OF ENGINEERING GUINDY, ANNA UNIVERSITY	ANNA UNIVERSITY CHENNAI	2013
M.Phil	PHYSICS/ SCIENTIFIC INSTRUMENTATION	GUINDY CAMPUS, UNIVERSITY OF MADRAS	UNIVERSITY OF MADRAS	2004
M.Sc	PHYSICS	PACHAIYAPPA SCOLLEGE CHENNAI	UNIVERSITY OF MADRAS	2002
B.Sc	PHYSICS	PACHAIYAPPA SCOLLEGE CHENNAI	UNIVERSITY OF MADRAS	2000

PROFESSIONAL MEMBERSHIPS

1. ISTE membership ID : LM 134379
2. INTERNATIONAL ASSOCIATION OF OUTSOURCING PROFESSIONALS (IAOP)
Membership Confirmation Number: IAOP-75440
2. Institute of Research Engineers and Doctors (IRED) Membership Id : AM101000584169.

FDP ATTENDED

1. A Two Day Online FDP on Astronomical Studies, Jamal Mohamed College, 7th and 8th Feb 2022
2. A Two Day Online FDP on Condensed matter Physics, Jamal Mohamed College, 24th and 25th Jan 2022
3. A Five Day Online FDP on Advanced materials Research, Bharat Institute of Engineering and Technology, 15th and 19th June 2020
4. A One day FDP on “How to Write & Publish a Good Technical Paper” , Rajalakshmi Engineering College 12th June 2020
5. A One day FDP on Faculty Role in SAR, Rajalakshmi Engineering College 10th June 2020
6. A Five Day Online FDP on Tools to Enhance Learning and Teaching , Aalim Muhammed Salegh Polytechnic College , 11th to 14th May 2020
7. two days online FDP entitled “Research Trends in NanoScience ” Held on 13th & 14th May 2020
8. “Online National Level Faculty Development Programme on Radiation & Environmental Radioactivity” organized by the Department of Physics, CSI College of Engineering, Ketti during 3rd - 5th June 2020.

WORKSHOPS ATTENDED

1. Attended online workshop on awareness on Industry safety during COVID-19 , SA Engineering College , 23rd May 2020

SEMINARS ATTENDED

1. One day National Seminar on “Advances and Challenges in Surface Engineering” on 2nd April 2018 at Aalim Muhammed Salegh College of Engineering, Chennai.
2. Webinar on Mountains and Fountains in Physics and Engineering conducted by the Department of Physics, Dr.M.G.R.Educational & Research Institute, Adayalampattu Phase II Campus, Chennai on 29.05.2020.
3. webinar on "No Lockdown for Solar Energy" organized by Department of Physics,Dr.MGR Educational and Research Institute, Adayalampattu Phase II Campus, Chennai on 15th May 2020
4. Webinar on “Computational Fluid Dynamics” presented by Mr.M.Vivekanandan, CEO / Try CAE Industrial Engineering Pvt.Ltd., Trichy organized by Kongunadu College of Engineering and Technology on 20th May 2020.
5. webinar on “Personal Excellence“ hosted by Department of Science & Humanities A.V.C. COLLEGE OF ENGINEERING Mannampandal, Mayiladuthurai, Tamilnadu on 22/05/2020
6. one day webinar on Physics in Day to Day Life organized by Department of Physics, Easwari Engineering College, Chennai- 600 089 on 13.05.2020.
7. one day webinar on Real Time Image Processing linked with DSP organized by Department of Physics, Easwari Engineering College, Chennai- 600 089 on 14.05.2020.

PUBLICATION DETAILS

1. **Sureshkumar. K**, A.Mohamed Hidayathullah, Dhanalakshmi C, Juvin Paula. A Structural, Optical studies of Pure and Sn doped cLanthanum oxide nano particles IJIRT, pp 206-210, Volume 8 Issue 7, 2021
2. Mohamed Hidayathullah A, **Suresh Kumar K**, and Juvin Paula A,Optical behavior of L-Serine Phosphate, a Semi-organic improved NLO Single Crystal JETIR, pp 157-162, Volume 8, Issue 12, 2021
3. Juvin Paula A, **Suresh Kumar K**, Ashwini P, Bhagyalakshmi D Synthesis And Characterization of CTAB Capped Cds Nanoparticles, JETIR , pp 1357- 1364 Volume 6, Issue 10,2019
4. **Suresh Kumar, K.** and Victor Jaya, N. “High Pressure Induced Electrical Resistivity Reduction on Mn-Doped CeO₂ Nanoparticles”, Materials and manufacturing Processes, Vol. 28, No.9, pp 1019-1023, 2013.
5. **Suresh Kumar, K.** and Victor Jaya, N. “Synthesis and characterization of Sn-Doped CeO₂ nanoparticles”, Asian Journal of Chemistry, Vol. 25, No.11, pp 6095- 6098, 2013.
6. Kesava Pandian, S., Karthik, K., **Suresh Kumar, K.** and Victor Jaya, N. “Effect of Mn-doping on Structural, Optical and Dielectric properties of SnO₂ nanoparticles by co-precipitation method”, Materials and Manufacturing Processes, Vol. 27, pp 130-134, 2012.
7. Karthik, K., Kesava Pandian, S., **Suresh Kumar, K.** and Victor Jaya, N. “Influenced of dopant level on structural, optical and magnetic properties of Co- doped anatase TiO₂ Nanoparticles”, Applied surface Science, Vol. 256, No.14, pp. 4757-4760, 2010.

CONFERENCE DETAILS

1. Suresh kumar, k., High Pressure Induced Electrical Resistivity Measurement of Lanthanum Doped CeO₂ Nanoparticles". National Conference on Recent Advances in materials Science.(NCRAMS 2019) 18 &19th July 2019 at St.Peter's Institute of Higher Education &Research, Chennai.
2. Suresh Kumar, K "High pressure induced electrical resistivity measurements of Lanthanum doped CeO₂ Nanoparticles". **International** Intellectual convergence onAdvances in Sciences and Engineering (IIASE-2017) 04th March 2017. Aalim Muhammed Salegh college of Engineering, Chennai.
3. Suresh Kumar, K., "Synthesis and Characterization of Fe-doped CeO₂ Nanoparticles" DAE – BRNS Sponsored National Conference on Materials forModern World (NCMMW – 2014) 10th & 11th of September 2014, Easwari Engineering College, Chennai.
4. Suresh Kumar, K., Kesava Pandian, S., Karthik, K. and Victor Jaya, N. "High pressure electrical resistivity studies on Pure and Sn-Doped CeO₂ Nanoparticles", **International** Conference on Nanomaterials and Applications ICNMA 2012 was held on 28-29 February 2012, at Mother Theresa Women'sUniversity, Kodaikanal, India, 2012

ACHIEVEMENT DETAILS