



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	16 YEARS	
DATE OF JOINING	17.10.2008	
EMAIL ID	k.sureshkumar@aalimec.ac.in	
AREA OF SPECIALISATION	PHYSICS , SOLID STATE PHYSICS, NANOMATERIALS	

EDUCATIONAL QUALIFICATION

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

PROFESSIONAL MEMBERSHIPS

1. 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. Quality Improvement Programme conducted by National Institute of Technical Teachers Training and Research (NITTTR) Chennai on 05.08.2005 to 07.08.2005 at St.Peter's Engineering College, Chennai
2. TEQIP Sponsored Orientation Programme on " Introduction to Nanotechnology" 30 & 31st of March 2007 at Department of Physics, Anna University, Chennai.

WORKSHOPS ATTENDED

1. One day National level workshop on "MEANS AND METHOS IN TRAINING PROFESSIONAL GRADUATES TO CORPORATE CAREER" ON 26.02.2014 at Aalim Muhammed Salegh College of Engineering, Chennai.
2. "Workshop on Nanostructure materials" on 4 & 5th July 2008 at, Department of Nuclear Physics, University of Madras, Chennai
3. Internal Auditor ISO 9001-2000 "Quality Management Services and Audit Training" 11th August 2006 by CREATIVE MANAGEMENT CONSULTANTS CHENNAI at St.Peter's Engineering College, Chennai

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.

PUBLICATION DETAILS

1. 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.
2. 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.
3. 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.
4. 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 on Advances 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 for Modern 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's University, Kodaikanal, India, 2012
5. Suresh Kumar, K., Kesava Pandian, S., Karthik, K. and Victor Jaya, N. "High pressure electrical resistivity studies on Pure and Mn-Doped CeO₂ Nanoparticles", Workshop on "Analytical Instrumentation techniques & Nanoscience and Nanotechnology" was held on March 11, 2011 at St.Peter's University, Chennai -54, 2008.

ACHIEVEMENT DETAILS