

Curriculum Vitae

Mr. Vishnu R. Chari

(M.Sc., CSIR-UGC-NET(LS))
Assistant Professor (Physical Chemistry)
School of Chemical Sciences
Goa University
E-mail: vishnuchari@unigoa.ac.in
Phone: +91 8329572571



AREA OF RESEARCH

Computational chemistry: Electronic structure calculations

EDUCATIONAL QUALIFICATIONS

Course (Stream)/Examination	Institution/University	Month/ Year of Passing	Performance	
			Class	% or GPA
PhD	BITS Pilani KK Birla Goa Campus		In progress	
M.Sc. Physical Chemistry	Goa University	April- 2013	Grade O	8.15/10
B.Sc. (Chemistry)	Dhempe College of Arts & Science / Goa University	June - 2010	Distinction	77.7
HSSC (Science)	Goa Board	May - 2007	First Class	68
SSC	Goa Board	May - 2005	Distinction	76.6

TEACHING EXPERIENCE

Assistant professor in Chemistry at Department of Chemistry, Dhempe College of Arts and Science Miramar Goa.

Duration: June 29, 2017 to September 30, 2020.

Assistant professor in Physical Chemistry at Department of Chemistry, Goa University.

Duration: June 29, 2015 to January 11, 2016.

RESEARCH EXPERIENCE

Junior Research Fellow at BITS-Pilani K. K. Birla Goa Campus on a project titled "Computational Study of the Catalytic Mechanism of some Diaryldiselenide-based Glutathione Peroxidase Mimetics."

Duration : March 2017- June 2017
Advisors : Dr. R. N. Behera

Performed two years of studies in pursuit of PhD before exiting program at Department of Chemistry, Goa University. Title of the proposed research was “Conducting polymer-carbon nanoparticles composite thin films as catalyst surfaces for electrochemical oxidation of anodic fuels such as methanol and ethanol for fuel cell applications.”

Duration : October 2104- February 2017
Advisors : Guide: Dr. R. N. Shirsat, Co-guide: (Late) Dr. Pankaj R. Singh

Worked as project assistant at Solid State and Structural Chemistry Unit, Indian Institute of Science on project titled “Iron-carbon hybrid capacitor: a proof-of-concept study.”

Duration : July 2013- September 2014.
Advisors : Prof. Ashok K. Shukla

Dissertation for Master of Science titled “Synthesis of MnO_x phases for applications as cathode materials in batteries and anode electrocatalyst for methanol fuel cell.”

Duration : July 2012- April 2013.
Advisors : Prof. Julio B. Fernandes

PUBLICATION

V. R. Chari; S. R. Aravamuthan; A K Shukla, Iron-Carbon hybrid capacitor: a proof-of-concept study, Bull. Mater. Sci., Vol. 37, No. 6, 2014, pp. 1515–1518.

PRESENTATIONS

Vishnu R. Chari and Raghu Nath Behera, Reduction of hydrogen peroxide by diselenide based GPx mimics: Effect of substituent, The First DAE Computational Chemistry Symposium (DAE-CCS), Chemical Engineering Group Bhabha Atomic Research Centre Trombay, Mumbai, Nov 7-9, 2019.

Vishnu R. Chari, Pankaj R. Singh and R. N. Shirsat , Chemical and Electrochemical Oxidative Polymerization of Aniline: Observation of Concentration Dependant Induction Period in Presence of Sodium Dodecyl Sulphate, 2nd National Conference on New frontiers in chemistry-From Fundamentals to Applications (NFCFA2017), BITS Pilani KK Birla Goa Campus, Jan 28-29, 2017.

Vishnu R. Chari, Pankaj R. Singh and R. N. Shirsat , Conductometric monitoring of chemical polymerization of aniline by ammonium peroxydisulfate at room temperature: The effect of sodium dodecyl sulfate. National Conference on New frontiers in chemistry-From Fundamentals to Applications (NFCFA2015), BITS Pilani KK Birla Goa Campus, Dec18-19, 2015.

Vishnu R. Chari and Julio B. Fernandes, Selective synthesis of nanosize MnO₂ phases and cyclic voltammetric investigation to understand the cathodic reaction mechanism, Indo- UK international workshop on Advanced Materials and their Applications in Nanotechnology (AMAN 2014), BITS Pilani KK Birla Goa campus, May 17- 19, 2014.

WORKSHOPS ATTENDED

Attended Royal Society of Chemistry (UK) West India Chapter Symposium on Recent Advancements in Chemical Sciences and Research Scholars' Meet-2016 organized at Birla Institute of Technology and Science Pilani, K K Birla Goa Campus. Duration: November 13, 2016.

Attended Workshop on "Advanced Nanomaterials: Characterization and Applications", (WANCA-2015) organized by Department of Physics, Banaras Hindu University, Varanasi under UGC Networking Programme. Duration: November 02-08, 2015.

Attended "International Conference on Green Chemistry: Catalysis, Energy and Environment", (ICGC-2015) organized by Department of Chemistry, Goa University. Duration: January 22-24, 2015.

Attended "Professor Doron Aurbach's school on Advances in Batteries and Supercapacitors" organized by the India Section of the Electrochemical Society. Duration: May 13-15, 2014.

AWARDS & ACHIEVEMENTS

Cleared CSIR-UGC Net (LS), June-2014.

Awarded the "Xth Indian Council of Chemists Conference Prize" for obtaining highest marks in Physical Chemistry at M.Sc. Examination, 2013.

Secured First rank, M.Sc. Physical Chemistry, Goa University, 2013.

Secured First Place in the Poster Competition organized by Department of Chemistry, Goa University on occasion of 26th National Science Day, 2013

Secured First Place in M. Sc. Quiz organized by the "Association of Chemistry Teachers, Goa", 2013.
