

CURRICULUM VITAE

AMARENDAR CHELUMALLA

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RESEARCH/PROFESSIONAL EXPERIENCE

MarieCurie Research ITN project : nanoS3 2013 – 2016
Eotvos Lorand University, Budapest, Hungary.
Industry - academia project : Encapsulation of fluorescent dyes and water based security ink formulation by preparing polymeric nanopartilces.

Research visit 3 months in 2015
University of Oslo, Norway.
Collaboration project : Synthesis and characterization of sidechain functionalized Block copolymers via Atom transfer radical polymerization and Click chemistry

International Masters Program 2010 - 2011
Universite de Rennes1, Rennes, France.
Master diploma project: Synthesis and Characterization of Bipyrimidine based Chromophores for Two photon Absorption

MSc project 2009-2010
National Institute of Technology, Trichy, India.
Title: Attempted study to utilize amino propylated SBA-15 as catalyst for Aza Michael reaction

Research Internship 3 months in 2009
University of Hyderabad, Hyderabad, India.
Title: Electrical properties of silver and gold nano particles embedded in polymer thin films for application in Solar cell studies

EDUCATION

MarieCurie Research program in Nanoscience 2013 – 2018
Eötvös Lorand University, Institute of Chemistry,
Budapest, Hungary

MSc in Chemistry 2008 –2010
National Institute of Technology, Trichy, India

EXPERIMENTAL SKILLS

- Organic synthesis and polymerization reactions in air-free environment with complete purification and characterization of all the products.
- Synthesis and Characterization of Inorganic and polymeric nanoparticles
- Spectroscopy - NMR, IR and UV-Visible
- Chromatography - TLC, GC, GPC and Column chromatography
- DLS, Zetasizer and BET
- Understanding of AFM, SEM and TEM
- Spin coater for the fabrication of thin-films and Microwave reactor
- Softwares : SciFinder, Reaxys, ChemDraw, ChemSketch, MestReC and Origin.

AREAS OF RESEARCH INTEREST

- NanoScience
- Polymer Chemistry
- Organic Synthesis

CONFERENCES/WORKSHOPS ATTENDED

- “Nanotech-Nanotox of Soft Nanosystems” at CNRS – Paris, France in 2015.
- “UK Colloids” at London, UK in 2014.
- “14th European Student Colloid Conference” at Max Planck Institute of Colloids and Interfaces - Potsdam, Germany in 2013.
- “ISOM – XIX : International Symposium on Olefin Metathesis and Related Chemistry” at Rennes, France in 2011.
- Horizon – 2009: A National level students’s Symposium on “Nanotechnology for Energy and Environmental Applications” at NIT, Trichy – India.
- Horizon – 2008: A National level students’s Symposium on “Recent trends in Analytical Chemistry” at NIT, Trichy – India

HONORS AND AWARDS

- MarieCurie research fellowship : FP7-PEOPLE - ITN - Marie-Curie Action: "Initial Training Networks" (2013-2016) in Eötvös Lorand University Budapest, Hungary.
- French Government Scholarship for International Master Program (2010-2011) University of Rennes1, France.
- Secured 1st Rank in M.Sc (Chemistry) Entrance test conducted by NIT Tiruchirapalli, Tamilnadu, India (2008).
- Research Internship from UGC Networking Resource center, University of Hyderabad, A.P, India (2009).
- Received Merit Scholarship for the proficiency in Undergraduation studies from Padmashali Seva Samaj, Secunderabad, A.P, India.

VOLUNTEER / EXTRA CURRICULAR ACTIVITIES

- European Researcher's Night'2015 – Demonstration of science research to School students in Budapest, Hungary
- Research fellow Representative in MarieCurie ITN project: nanoS3 (www.nanoS3.eu) for 6 months in 2015.
- Member of MCAA (Marie Curie Alumni Association) from 2013 – present.
- Member in Event organizers committee of Horizon-08 & Horizon-09, National level student symposiums conducted by Chemistry department, NIT- Trichy, India.

PERSONAL PROFILE

- **Father's Name** : Somaiah
- **Date of Birth** : 21st February 1986
- **Linguistic Proficiency** : English, Telugu, Hindi, French(Basics)
- **Permanent Address** : S/o: Chelumalla Somaiah,
Suryapet, Telangana, INDIA - 508213