

Bio-data of Prof. Ramesh Chandra Mallik

CONTACT DETAILS:

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ACADEMIC CARRIER

Post Doc: Marie Curie International Incoming Fellow at DLR, Cologne, Germany with Prof Eckhard Mueller, October 2006-October 2008

Post Doc: Chungju National University of Transportation, Republic of South Korea with Prof Il-Ho Kim, (September 2005- September 2006)

Ph.D.degree(Physics) Department of Physics, Indian Institute of Technology, Madras, July 1999-2005

M.Sc. (Physics) P.G Department of Physics, Berhampur University, Ganjam, Odisha 1996-1998

INSTITUTE POSITION

Visiting Scientist: Division of Advanced Materials Engineering, Kongju National University, Cheonan, Chungnam, 330-717, South Korea-July 2017-Januaruy 2018.

Associate Professor Department of Physics., Indian Institute of Science, Bangalore Bangalore, Karnataka, India, October 2017- till date

Assistant Professor Department of Physics., Indian Institute of Science, Bangalore Bangalore, Karnataka, India, October-2011-October 2017

Lecturer Department of Physics., Indian Institute of Science, Bangalore Bangalore, Karnataka, India, October-2008-October 2011

INTERNATIONAL COLLABORATION

Scientific collaboration

- Prof. Eckhard Mueller, Institute of Materials Research, German Aerospace Center (DLR), Cologne, Germany;
- Prof. Peter Rogl, Department of Physical Chemistry, **University of Vienna**, Vienna, Austria;
- Prof. Ernst Bauer, Department of Physics, **Vienna University of Technology(TU)**, Vienna, Austria;
- Prof.II-Ho Kim, Chungju National University of Transportation, Republic of South Korea;
- Prof. Kuei-Hsien Chen, Academia Sinica & CCMS, National Taiwan University, Taiwan.

International Committees and Scientific Society memberships

- Member of Marie Curie Association
- Life member International thermoelectric society , Life member Odisha Bigyan Academy, Life Member of Indian Physics Association , Life Member of Instrument Society of India , Life Member of Material Research Society of India

RESEARCH PROJECTS

International projects leader

- Development of a novel class of wide band gap Thermoelectric Materials with Stannite Structure: Cu_2MSnQ_4 (M=Zn,Cd;Q=S,Se), Indo-Austria (DST-BMWF)-2011-2013.
- Nanostructuring and Grain Boundary Engineering in Bulk Thermoelectric Material for High Temperature Applications Indo-German, 2012-2014.

National projects leader

- Skutterudite based thermoelectric nanocomposite materials for high temperature applications (DST-BMWF)-2018-2020.
- More than 08 national project completed and 01 is ongoing-2018-2021

AWARDS

- Brain Pool Invited scientist Fellowship for 2017-2018, at Konjgu Nator University, South Korea
- Dr. Ramesh Chandra Mallik has been recognized as one of outstanding reviewers in Acta Materialia for the year 2015 and 2018.
- The International Centre for Diffraction Data (ICDD) has awarded Dr. Ramesh Chandra Mallik a certificate in recognition for the significant contribution to 5 patterns of $\text{Cu}_2\text{CdGeSe}_4$ in the powder diffraction file-release 2016.
- Marie Curie International Incoming Fellowship (MCF-IIF) for 2005 for postdoctoral research work.
- Student Award in International Conference on Metallurgical Coatings and Thin Films "ICMCTF-2003" (28 April- 02 May, 2003), San Diego, California, U.S.A
- Best Poster the poster presentation on International Workshop on Functional, Materials (IWFM-2011), (DECEMBER 20-22, 2011, Berhampur, ORISSA, INDIA with entitled "XRD and Raman spectrum for Zn doped Cu_2SnSe_3).
- ITS Outstanding Poster award at the 37th International Conference on Thermoelectrics, Caen, France held during 01 - 05 July 2018.
- Two Best Paper Presentation award in International Conference on Nanoscience and Nanotechnology (ICONN 2017), SRM University held during 09 - 11 August 2017.
- Best Paper Presentation award in the First Indian Materials Conclave and 30th Annual General Meeting of MRSI Conference held in Bangalore IISc February 12 - 15, 2019.

Selected papers: PI published more than 80 paper and available in google scholar :

- [1] Chetty et al. *Phys. Chem. Chem. Phys.*, **17** (2018), 1716-1727
- [2] Chetty et al. *Acta Mater.*, **100** (2015) 266–274
- [3] Tippireddy et al. *J. Phys. Chem. C*, **122** (2018), 8735–8749
- [4] Tippireddy et al. *ACS App. Mater. Interfaces*, **11** (2019), 21686–21696 .
- [5] Tippireddy et al. *Phys. Chem. Chem. Phys.*, **20** (2018), 28667-28677
- [6] Chetty et al. *J. Mater. Chem. C*, **3** (2015),12364