

RESUME

DR. SK MOHAMMAD YASIN

DESIGNATION: Assistant Professor, Department of Physics,
Bejoy Narayan Mahavidyalaya, Itachuna, Hooghly-712147 (W.B)

Academic Qualification: M.Sc, Ph.D

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TEACHING EXPERIENCE

Serving as Assistant Professor in the Department of Physics, Bejoy Narayan Mahavidyalaya, Itachuna, Hooghly, West Bengal, India, since May 24, 2017.

RESEARCH/PROFESSIONAL EXPERIENCE

Experimental Condensed matter physics: X-ray diffraction study (Rietveld refinement method), D.C Magnetization study on Co based alloys using VSM & SQUID magnetometer, Resistivity and Magnetoresistance study using PPMS system, A.C susceptibility measurement techniques, etc.

Fabrication: Fabrication of resistivity and lab-made A.C susceptibility set-up with LABVIEW automation

EDUCATION AND QUALIFICATION

2011-2016 Department of Physics, Indian Institute of Technology Madras, Chennai
Ph. D. in Physics
Thesis entitled: "Magnetic and Electrical Transport Properties of Co-Ga Alloys: A Study on the Role of Site-Disorder"

2009-2011 Department of Physics, Indian Institute of Technology Madras, Chennai
M.Sc in Physics

2006-2009 Burdwan Raj College (The University of Burdwan)
B.Sc (Hons.) in Physics

2004-2006 Burdwan C.M.S High School (W.B.C.H.S.E)
Higher Secondary

2004 Burdwan C.M.S High School (W.B.B.S.E)
Secondary

RESEARCH ARTICLES

List of Research Publications

1. **Yasin, S. M.**, R. Saha, V. Srinivas, S. Kasiviswanathan, and A. K. Nigam, “Spin correlations and magnetic order in Co–Ga alloys: A comprehensive study”. *J. Alloys Compd.*, **649**, 1011 (2015).
2. **Yasin, S. M.**, R. Saha, V. Srinivas, S. Kasiviswanathan, and A. K. Nigam, “Anomalous magnetic and electrical transport behavior in intermetallic Co_{58.5}Ga_{41.5}”. *IEEE Trans. Magn.*, **51**, 1001104 (2015).
3. **Yasin, S. M.**, R. Saha, V. Srinivas, S. Kasiviswanathan, and A. K. Nigam, “Giant magnetoresistance in the cluster glass regime of Co–Ga alloys”, *AIP Adv.*, **6**, 055815 (2016).
4. **Yasin, S. M.**, R. Saha, V. Srinivas, S. Kasiviswanathan, and A. K. Nigam, “Evolution of ferromagnetic interactions from cluster spin glass state in Co–Ga alloy”, *J. Magn. Magn. Mater.*, **418**, 158 (2016).
5. **Yasin, S. M.**, M. Vagadia, V. Srinivas, S. Kasiviswanathan, and A. K. Nigam, “Evidence for reentrant spin glass behavior in transition metal substituted Co–Ga alloys near critical concentration”, *J. Magn. Magn. Mater.*, **451**, 327 (2018).

Seminar/Conference/Workshop Participated:

1. *International Conference on Magnetic Materials and Applications (MagMA-2013)*, December 5 - 7, 2013. IIT Guwahati.
2. *59th DAE Solid State Physics Symposium*, December 16 - 20, 2014, VIT University, Vellore, Tamil Nadu, India.
3. *IEEE International Magnetism Conference (INTERMAG-2015)*, May 11-15, 2015, Beijing, China.
4. *International Conference on Magnetic Materials and Applications (ICMAGMA-2015)*. Dec. 2-4, VIT University, Vellore, Tamil Nadu, India.
5. *13th Joint MMM-Intermag Conference*, Jan 11-15, 2016, San Diego, California, USA.
6. “*Workshop on SCILAB*” Organized by the Department of Physics of The University of Burdwan on 17th and 18th August, 2018.
7. “*Workshop on Promotion under Career Advancement Scheme*” Organized by IQAC, Bejoy Narayan Mahavidyalaya, Itachuna, Hooghly-712147, West Bengal.

8. *“Workshop on Some Advanced Topics in Undergraduate Studies under CBCS system”*
Organized by the Department of Physics of The University of Burdwan on 6th and 7th
September, 2019.

Training/Course Undergone:

Seminar/Workshop/Conference Organized:

Administrative Experience:

Membership of Professional Bodies:

Awards/Honours/Fellowships: GATE & NET