




## GANGADHAR MEHER UNIVERSITY, SAMBALPUR (Faculty Profile)

<b>Name</b>	Dr. Jasabanta Sekhar Hansdah			<b>Photograph</b> 
<b>Designation</b>	Assistant Professor			
<b>School</b>	School of Physics			
<b>Address (Office)</b>	School of Physics, GM University			
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<b>ORCID ID</b>	0000-0002-6081-0502			
<b>Researcher ID</b>	P-3808-2017			
<b>SCOPUS ID</b>	56560066500			
<b>PubMed ID</b>				
<b>Qualifications</b>				
Degree	Institution	Year	Subject Details	
MSc	Utkal Univeristy, Bhubaneswar, Odisha	2009	Physics	
M.Phil	Utkal Univeristy, Bhubaneswar, Odisha	2010	Physics	
PhD	Indian Institute of Technology (Indian School of Mines), Dhanbad	2017	Physics	
<b>Areas of Interest/ Specialization</b>				
Solid state physics, Superconductivity, Flux pinning properties of superconductor.				
<b>Teaching/Research Experience</b>				
Organization/Institution	Designation	Duration	Role	
Binayak Acharya College, Berhampur, Odisha	Junior Lecturer	24-10-2016 to 30-11-2018	Teaching	
Model Degree College, Nuapada, Odisha	Assistant Professor	01-12-2018 to 05-03- 2020	Teaching	
<b>Awards and Honors (Top Five only)</b>				
NA				
<b>International Collaboration/Consultancy (Top Five only)</b>				
NA				
<b>Extra-mural Projects (Give Details)</b>				
Completed : NA Projects in hand : NA Projects submitted: NA				
<b>PhD Guided/Ongoing</b>				
NA				
<b>Publications</b>				
Number of Publications: Books/Monographs :(), Last Five Years (), Last Three Years (), Last One Year () Research papers: Total : 03, Last Five Years (03), Last Three Years: 01, Last One Year : 01 Reviews: (), Last Five Years (), Last Three Years (), Last One Year () Book chapters: (), Last Five Years (), Last Three Years (), Last One Year ()				
<b>Best Peer/Review Publications (Up to 5)</b>				
<ol style="list-style-type: none"> <li><b>J. S. Hansdah</b> and P. M Sarun, Doping effect of nano-Ho<sub>2</sub>O<sub>3</sub> and naphthalene in MgB<sub>2</sub> superconductor prepared by PIST method, Journal of Applied Physics, vol. 117, pp-113903, 2015.</li> <li><b>J. S. Hansdah</b> and P. M Sarun, Structural And AC Loss Study For Pure And Doped MgB<sub>2</sub> Superconductor, AIP Conference Proceedings, vol. 1665, pp-130052, 2015.</li> <li>I. Ahmad, <b>J. S. Hansdah</b>, S.N. Sarangi, P.M. Sarun, Enhanced magnetic field dependent critical current density of MWCNT doped magnesium diboride superconductor, Journal of Alloys and Compounds, vol. 834, pp-155033, 2020</li> </ol>				

Paper Presentation in Major Conferences (Up to 5)				
1. Structural Characterization of MgB <sub>2</sub> superconductor by Rietveld Refinement, <b>S.H. Jasabanta</b> and P. M Sarun, in proceedings of the <b>National Conference on Advances in Laser and Spectroscopy (ALS-2012)</b> 01-03 November, 2012, ISM Dhanbad, India.				
2. Doping effect of nano-C and nano-SiO <sub>2</sub> on superconducting properties of MgB <sub>2</sub> bulk prepare by PIST method, <b>J. S. Hansdah</b> , S. Ash and P. M. Sarun, in proceedings of <b>International Conference on Structural and Physical Properties of Solids (SPPS-2013)</b> , Bharati Publications, Delhi (India) November 18th – 20th, 2013, Department of Applied Physics, Indian School of Mines, Dhanbad, India				
3. Barrier effect on Cu sheathed MgB <sub>2</sub> wires for superconducting applications, S. Ash, S. Sarkar, <b>J. S. Hansdah</b> and P. M. Sarun , in proceedings of <b>International Conference on Structural and Physical Properties of Solids (SPPS-2013)</b> , Bharati Publications, Delhi (India) November 18th – 20th, 2013, Department of Applied Physics, Indian School of Mines, Dhanbad, India.				
4. Influence of Carbon-Doping on AC loss of MgB <sub>2</sub> Superconductors, <b>J. S. Hansdah</b> and P. M. Sarun, in proceedings of <b>International Conference on Magnetic materials and Applications(ICMAGMA-2014)</b> , 15-17 September, 2014, Pondichery University, Pondicherry, India.				
5. Structural and superconducting Characterization of bulk MgB <sub>2</sub> superconductor, <b>J. S. Hansdah</b> , H. B. Nayak and P. M. Sarun, in proceedings of <b>Topical Conference on Charge Particle Collisions and Electronic Process in atoms, molecules and materials (Qpace-2016)</b> 9-11 January, 2016, Department of Applied Physics, Indian School of Mines, Dhanbad, India.				
Patents (if any)				
Memberships of Professional Bodies/Societies (Up to 5)				
Other Details (Academic/Research Related)				
Research Matrix [Current]				
Database	Total citations	Total publications	Open Access	h-index
WoS	6	03	03	01
Publons	6	03	03	01
Scopus	6	03	03	01
PURE				
GS	6	03	03	01
RG				
ICI				

Jasabanta Sekher Hansdah

(Signature)