

## FACULTY PROFILE



1. Name: Dr. Salila Das
2. Designation: Assistant Professor-II
3. Department: P.G Dept. of Physics
4. Experience: 08 Years
5. Date of Joining Berhampur University: 25.04.2.12
6. Academic Background: M.Phil, Ph.D
7. Awards and Fellowships: CSIR-NET
8. Area of Specialization: Solid State Physics
9. Subjects of interest: Solid state Physics, Condensed Matter and Material Physics
10. Membership in Professional Bodies: Orissa Physical Society
11. Research Publications (1<sup>st</sup> January 2016 to 31<sup>st</sup> December 2020):

Sl. No.	Author (s)	Title of the Paper	Name of the Journal, Volume, Year, Page Number
01.	Salila Das and P.Ch.Padhi	Effect of External magnetic field on the co-existence of superconductivity and antiferromagnetism in rare earth nickel borocarbides (RNi <sub>2</sub> B <sub>2</sub> C)	International Journal of Modern Physics B Vol. 30, No. 8 (2016) 1650044 (13 pages) World Scientific Publishing Company
02	Salila Das and Preeti Suman Dash	<b>Study of superconductivity and Antiferromagnetism in rare earth nickel Borocarbide RNi<sub>2</sub>B<sub>2</sub>C</b>	<b>IOSR Journal of Applied Physics , 9(3) May-June 2017.,pp71-80</b>
03	Salila Das	<b>Theoretical Model for Iron based Magnetic Superconductors.</b>	<b>International Journal of Advanced Research 5(06), june 2017,Pp 1886-1889</b>

04	Salila Das, Preeti Suman Das, and Pranati Patro	coexistence of Magnetism and Superconductivity in HoNi <sub>2</sub> B <sub>2</sub> C	ORISSA JOURNAL OF PHYSICS,2017,pp1-6
05	Preeti Suman Das , Salila Das and Prabir K. Mukherjee	<b>Improved analysis of rare earth magnetic superconductors</b>	Communicated

12. Research Guidance (1<sup>st</sup> January 2016 to 31<sup>st</sup> December 2020):

Sl. No.	Funding Agency	Title
1	Preeti Suman Dash	Magnetic properties of rare earth Nickel Borocarbides.
2	Arakhit Bhol	<b>Exploring Compositional Modifications to Improve the Performance of Advanced Ferroelectrics</b>

Sl. No.	Programme attended (National/International)	Venue and Duration	Title of the Paper Presented
01	International Conference on Recent Advances in Condensed Matter of Physics and Complex Systems	Savitribai Phule Pune University, Pune, 30 <sup>th</sup> October to 1 November, 2017	Upper critical field of Rare Earth Magnetic Superconductor
02	UGC Sponsored National Seminar	Department of Physics, Berhampur University, 11 <sup>th</sup> - 12 <sup>th</sup> February, 2017	Coexistence of Magnetism and Superconductivity in HoNi <sub>2</sub> B <sub>2</sub> C
03	National Seminar and 35 <sup>th</sup> Annual Convention of Orissa Physical Society	10-11 <sup>th</sup> Feb-2018, Department of Physics B.J.B. College	<b>MAGNETOELECTRIC EFFECTS IN Fe DOPED BaTiO<sub>3</sub></b>
04	National Seminar on "Science for Society"	NISER, Bhubaneswar, 17.11.2018&18.11.2018	Noise pollution and its impact on health
05	national seminar on beach erosion and anthropogenic	P.G. Department of Zoology, Berhampur University on 29.03.18 & 30.03.2018.	Participated

06	NSRAP-2019	23 <sup>rd</sup> -24 <sup>th</sup> March Berhampur University	Specific heat in rare earth nickel borocarbides superconductors
07	QCQT 2020	8 <sup>th</sup> -9 <sup>th</sup> March Berhampur University	<b>Magnetic Properties of SUPERCONDUCTOR YNi<sub>2</sub>B<sub>2</sub>C</b>
08	National seminar (NSRPTA & OPS) 2020	8 <sup>th</sup> -9 <sup>th</sup> Feb 2020, Burla Engineering college, Burla.	Phenomenological theory of superconductivity and magnetism in DyNi <sub>2</sub> B <sub>2</sub> C
09	Pro Quest Education	Pro Quest in collaboration with odisha university consortium on 30 <sup>th</sup> July 2020	Attended and participated in webinar.
10	International webinar series on Novel materials and Devices for supercomputing 2020	held during 1 <sup>st</sup> to 6 <sup>th</sup> September 2020 organized by <b>National Institute of Science &amp; Technology,</b> Berhampur, India.	Participated
11	International webinar on <b>“Nuclear Physics and Applications in Medicine”</b>	P.G. Department of Applied Physics and Ballistics, F. M. University, Balasore, India, during <b>30-07-2020 to 01- 08-2020.</b>	Participated

12. Invited Talks/Visiting Assignments:

1. Invited Talk on Coexistence of Superconductivity and Ferromagnetism in Borocarbide compounds in International Conference on New Trends in Field Theories, 06<sup>th</sup> – 10<sup>th</sup> November, 2016, Physics Department, B.H.U., Varanasi
2. Department of Physics of Khemundi College, Digapahandi on 17.01.2018 (invited talk) “ SUPERCONDUCTOR PAST PRESENT FUTURE”.

13. Academic Assignments:

- (1) PG Admission 2016-2020
- (2) Assistant Superintendent, Kolab Ladies Hostel (2014-2017), Hostel Superintendent Ansupa Ladies' Hostel Superintendent, (2017-2020)
- (3) Programme Officer NSS unit-III(Female) 2016-2017
- (4) Examination Duty
- (5) Syllabus modification 2020
- (6) Department Seminar in Charge

14. Role in Academic Administration and Decision-making Bodies:

- (1) G.B Member of Gopalpur Degree College, 2015-2018
- (2) Member of Research Committee
- (3) Member of Athletic Association Berhampur University

15. Any other important information: Workshop/Refresher Course/ Faculty Development Programme

1. National Workshop on MATLAB for Mathematical Applications, organized by

Institute of Mathematics and Applications, Andharua, Bhubaneswar, 22-23 January, 2017.

2. Sensitization Workshop for Women Scientists, Berhampur University, 14<sup>th</sup> December, 2019.
3. Research Methodology Workshop under World Bank Funded OHEPEE, Berhampur University, 12<sup>th</sup> - 16<sup>th</sup> February 2019.
4. SWAYAM ARPIT ONLINE COURSE CERTIFICATION "Climate Change: A Guide For Teachers Of All Disciplines, 16.02.2020 by liser, Pune.
5. UGC Sponsored Refresher Course in Environmental Studies by Utkal University, Bhubaneswar. 3<sup>rd</sup> -16<sup>th</sup> January 2020.
6. One Week Faculty Development Programme on "Advanced Nanomaterials & Their Engineering Applications (AdvNano-2020)" from 3rd to 8th Aug, 2020 organized by Department of Mechanical Engineering, GMR Institute of Technology, Rajam, A.P.
7. Faculty Development Programme (FDP)(In Association With RUSA and IQAC) e-Certificate , Online Teaching- Learning And Research Methodology from July 18 - July 29, 2020, Govt. P. G. College, Bilaspur Rampur - Uttar Pradesh.