

FACULTY PROFILE



1. Name: Dr. SASHI SEKHAR BEHERA
2. Designation: Assistant Professor-II
3. Department: Physics
4. Experience: 10 Years
5. Date of Joining Berhampur University: 19/4/2011
6. Academic Background: Ph.D
7. Awards and Fellowships: CSIR-JRF(2010)
8. Area of Specialization: Condensed Matter Physics
9. Subjects of interest: Diluted Magnetic Semiconductor, Magnetism, Semiconductor Compounds
10. Membership in Professional Bodies: Orissa Physical Society
11. Research Publications (1st January 2016 to 31st December 2020):

Sl. No.	Author (s)	Title of the Paper	Name of the Journal, Volume, Year, Page Number
1	S S Behera and G S Tripathi	Band gap engineering and k.p.i electronic structure of lead and tin tellurides	Materials Research Express doi:10.1088/2053-1591/3/6/065903 2016
2	Sashi S. Behera , Pratibha Tripathi , Sanjeev K. Nayak , Gouri S. Tripathi	Carrier induced local moment magnetization in p-type $\text{Sn}_{1-x}\text{Mn}_x\text{Te}$	Journal of Magnetism and Magnetic Materials http://dx.doi.org/10.1016/j.jmmm.2017.04.025 2017
3	P Tripathi, S K Shadangi, S S Behera, R L Hota, S K Nayak and GS Tripathi	On various contributions to the magnetization of n-type $\text{Pb}_{1-x}\text{Gd}_x\text{Te}$	Materials Research Express http://doi.org/10.1088/2053-1591/AB37D7 2019

12. Research Guidance (1st January 2016 to 31st December 2020):

Sl. No.	Name of the Scholar	Funding Agency	Title

13. Participation in Seminars/Conferences (1st January 2016 to 31st December 2020):

Sl. No.	Programme attended (National/International)	Venue and Duration	Title of the Paper Presented
1	NSCTPP-2017 (National)	Department of Physics, Berhampur University	Band gap engineering and k.pi electronic structure of Lead and Tin Telluride
2	International seminar on Emerging Trends in Physics & Application & 36 th convention of Orissa Physical Society	PMEC, Berhampur & OPS under TEQIP-III Feb 02-04,2019	
3	National Seminar on Quantum Computation and Quantum Technology(QCQT-2020) (National)	Department of Physics, Berhampur University	
4	International Webinar on Novel Materials & Devices for super computing2020 (International)	NIST, Berhampur 1/9/2020-6/9/2020	Attended

14. Invited Talks/Visiting Assignments:
- Visited Ghadai Residential College as LEC-member, in reference to affiliation status grant (2018).
 - External Examiner for B.Sc (Phys), Binayak Acharya College, Berhampur(2018)
 - To conduct interview of project Assistant at B. A. College, Berhampur
15. Academic Assignments:
- Assistant Superintendent, Salunki & Jhanjhabati Ladies Hostel(2016-2018)
 - Interim Faculty-cum-Coordinator, DEC(2017)
 - Night Patrolling duty during election(2017)
 - P.G Admission(2017,2018,2019)
 - Question Paper setter, Rayagada Autonomous College(2019)
 - Verification of certificates(2018)
 - Discharged Duty in Inter-College Athletic Meet(2018,19)
 - Evaluated Answer Scripts, Sambalpur University (2019)
 - Question Paper setter, Rayagada Autonomous College(2020)
 - Member of DRDC-Committee(2020)
 - Invigilation Duty of Pre-PhD Course Work-2019,DEC,Examination(2016),Entrance-Test,SCC,BU(2019),CPET(2020)
 - Admission: M.Phil, PhD(2019)
 - Internal examiner, M.Sc Practical Examination(2018,2019,2017-DEC)
16. Role in Academic Administration and Decision-making Bodies:

17. Any other important information:

- a) Attended Refresher Course in Materials Sciences at HRDC-UOH, Hyderabad
- b) Attended Online Refresher Course in Physics at UGC- HRDC,Gujarat University
- c) Reboot: Teaching and Learning from 6/7/2020 to 10/7/2020 organised by Department of Business Administration, Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore
- d) Online 5-day short-term training on “Modelling And Simulation using MATLAB” by Assam Science and Technology University & GIMT- Guwahati from 24/7/2020 to 28/7/2020
- e) Online training workshop on “Computational Density Functional Theory” by Thanthai Periyar EVR Govt. polytechnic College Vellore, Tamilnadu, India from 4-5/7/2020
- f) Online training session on “Quantum Computational NBO calculations” by Thanthai Periyar EVR Govt. polytechnic College Vellore, Tamilnadu, India on 12/7/2020
- g) Faculty Development Programme on "RESEARCH METHODOLOGY"from October 01- October 15, 2020 by Delhi-University
- h) One-Week Online Faculty Development Programme on “Data Science using Python Programming” organized by E&ICT Academy IIT Guwahati held from 02 to 09 November, 2020
- i) Short-term course on Reasearch Paper Writing from 7/12-13/12/2020 at UGC- HRDC,Gujarat University