

Dr. S. S. Behera has completed his M.Sc degree from Utkal University, Vani Vihar in 2008. He qualified NET (CSIR) and GATE in 2010 and joined IIT-Kharagpur as a research scholar in the department of Physics and Meteorology in 2010. In 2011, he started his professional carrier as an Assistant Professor in the P.G Dept of Physics, Berhampur University and is still continuing in the current post. He obtained his Ph.D degree from Berhampur University in 2019. He has published many peer-reviewed journals of national and international repute from 2012 to 2019. His area of research include Diluted Magnetic Semiconductor (DMS Materials, Rare-Earth and Transition metal doped Compound Semiconductors), Semi-Magnetic Semiconductors (SMS), Compound Semiconductors (Chalcogenide Materials) and Magnetism. He is a patron member of Orissa Physical Society.



Research Publications

Journals

- Band gap engineering and k.p.i electronic structure of lead and tin tellurides, **S S Behera** and G S Tripathi, [Materials Research Express](#), **Volume 3, Number 6**, 2016
- Carrier induced local moment magnetization in *p*-type $\text{Sn}_{1-x}\text{Mn}_x\text{Te}$, **Sashi S .Behera^a**, Pratibha Tripathi, Sanjeev K.Nayak ^cGouri S.Tripathi, [Journal of Magnetism and Magnetic Materials](#), **Volume 436**, 15 August 2017, Pages 61-67
- On various contributions to the magnetization of n-type $\text{Pb}_{1-x}\text{Gd}_x\text{Te}$, P Tripathi, S K Shadangi, **S S Behera**, R L Hota, S K Nayak and G S Tripathi, [Materials Research Express](#), **Volume 6, Number 10**, 2019.

Seminars/Conferences/Workshops/Refresher Courses Attended:

- Presented a paper on 17th Odisha Bigyan Congress from 5th to 6th, 2014 organised by ITR and SOA University, Bhubaneswar
- 28th Orientation programme attended organized by ASC, Sambalpur University from 10/8/13 to 6/9/13

- Presented a paper and participated in Condensed Matter Days-2015, from 27th to 29th 2015, at Viswa Bharati University, West-Bengal.
- Participated SAKHYAM-IT Champion training program from 25th to 30th September 2015 organised by Berhampur University.
- Contributed a paper and participated in International Conference "ICFMST-15", 10th- 12th Dec-2015. NIST, Berhampur.
- Refresher course in material Sciences attended from 4th -24th , August, 2017 organized by UGC-HRDC, University Of Hyderabad.
- Participated and presented a paper in National Seminar in 34th Annual Convention of Orissa Physical Society on 11-12th Feb-2017, P.G. Department Of Physics Berhampur University, Bhanja Bihar, Berhampur.
- Participated in International seminar on Emerging Trends in Physics and Application, 36th Convention of OPS at Parala Maharaja Engineering College, Berhampur from 2nd Feb to 4th February 2019.
- Participated in National Seminar on Recent Advances in Physics 23rd March to 24th March 2019 organised by P.G Department of Physics, Berhampur University.
- Participated in National Seminar on Quantum Computation and Quantum Technology, 8th to 9th March 2020 organised by P.G Department of Physics, Berhampur University.
- Attended short-term course on "Modelling and Simulation using MATLAB" from 24th July to 8th July 2020 by GIMT-Guwahati & AST University.
- Participated Short-term course on Data Science Using Python, ICT Academy ,IIT Guwahati from 2nd to 9th November, 2020.