

## FACULTY PROFILE

1. Name: Dr. Kusha Kumar Naik
2. Designation: Assistant Professor
3. Department: P.G Dept. of Physics
4. Experience: 03 Years
5. Date of Joining Berhampur University: 01.12.2.17
6. Academic Background: M.Tech, Ph.D.
7. Awards and Fellowships: CSIR-NET, GATE
8. Area of Specialization: Solid State Physics, Material Physics
9. Subjects of interest: Solid state Physics
10. Membership in Professional Bodies: Orissa Physical Society
11. Research Publications (1<sup>st</sup> January 2016 to 31<sup>st</sup> July 2021):



Sl. No.	Author (s)	Title of the Paper	Name of the Journal, Volume, Year, Page Number
01.	Naik <i>et al.</i>	Superior non-enzymatic glucose sensing properties of Ag-/Au-NiCo <sub>2</sub> O <sub>4</sub> nanosheets with insight from electronic structure simulations	<i>ACS Appl. Mater. Interfaces</i> 2017, 9, 28, 23894–23903
02	Naik <i>et al.</i>	Efficient Photoelectrocatalytic Activity of CuWO <sub>4</sub> Nanoplates towards the Oxidation of NADH Driven in Visible Light	<i>ChemistrySelect.</i> 2018 Aug 23;3(31):9008-12.
03	Naik <i>et al.</i>	Array of NiMn <sub>2</sub> O <sub>4</sub> nanosheets for glucose sensing application	<i>Journal of Materials Science: Materials in Electronics</i> (2020): 1-7.
04	Naik et al.	Multifunctional spinel MnCo <sub>2</sub> O <sub>4</sub> based materials for energy storage and conversion: A review on emerging trends, recent developments and future perspectives	<i>Journal of Materials Chemistry A</i> , 9 (6), 3095-3124, 2021.
05	Naik et al.	High electrocatalytic activity of Ag doped MnWO <sub>4</sub> microflowers towards glucose molecules	<i>Journal of Materials Science: Materials in Electronics</i> (2021):1-8

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

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

Sl. No.	Name of the Scholar	Funding Agency	Title
Sl. No.	Programme attended (National/International)	Venue and Duration	Title of the Paper Presented
01	NSRAP-2019	23 <sup>rd</sup> -24 <sup>th</sup> March Berhampur University	2D Nanomaterials: Recent trends on glucose sensing
02	QCQT 2020	8 <sup>th</sup> -9 <sup>th</sup> March Berhampur University	Superior Non-enzymatic glucose sensing properties of Ag/Au/Pt doped MnWO <sub>4</sub> nanorods

14. Invited Talks/Visiting Assignments:

15. Academic Assignments: (1) PG Admission 2018,2019

(2) Assistant Superintendent, Banshadhara  
Boys Hostel, June 2018-2020,

(3) Certificates verification 2018,2019,2020

(4) Syllabus modification 2020

16. Role in Academic Administration and Decision-making Bodies:(1) NIRF member 2019

17. Any other important information: 1. Orientation Programme 7<sup>th</sup> -28<sup>th</sup>  
January,2020

2. FDP, Research Methodology 1<sup>st</sup> -15<sup>th</sup>  
October,2020