

# Faculty Profile



1. Name : Dr. Salila Das
2. Designation : Lecturer
3. Department :Physics
4. Experience :4 years of P.G. teaching and research
5. Date of Joining in BU : 25/04/2012
6. Academic Background : M.Phil, Ph.D.
7. Awards and Fellowship : NO
8. Area of Specialization : Condensed Matter Physics
9. Subjects of interest :Condensed Matter and Material Science
10. Membership in Professional Bodies : Member of odisha physical society
11. Research Publications : 5 in National level journals  
: 7 International Journal
12. Research Guidance : 7 M.Phil's awarded
13. Participation in Conferences (2015-2019): 04 International conferences  
09 National conferences
14. Invited talks/visiting assignments :2
15. Academic Assignments : Admission Work  
Examination Work
16. Role in Academic administration and decision making bodies: Supt. Ansupa Ladies  
Hostel
17. Involvement in other Extension Activity:
18. Any other information you would like to highlight (briefly):

**My research work is mainly based on superconductivity in high Transition Temperature superconductors:formalism, the cause of superconductivity in copper Oxide compounds and different properties related to the superconductivity.**

**Recently the discovery of superconductivity and anti-ferromagnetism In rare earth nickel borocarbides has generated enormous interest in the physics of these materials. I am now working in borocarbide systems. My work is concentrated on the following issues (i) what are the interactions that cause**

formation of spin density wave order and superconductivity; (ii) what is the symmetry of the superconducting gap including its implications for different experiments; and (iii) how can the antiferromagnetic phase and its magnetic excitations.