I. Name: **Dr. Sourav Saha**

II. Designation: Assistant Professor

Physics Department

III. Contacts: Department of Physics, Kulti College, Kulti- 713343

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Academic Qualifications: **M.Sc in Physics** (Special Paper- X ray & Crystallography)

Burdwan University, Purba Bardhaman, West Bengal, India

Ph.D awarded by NIT Durgapur.

Title of the Thesis: "MICROSTRUCTURE AND ELECTRICAL CHARACTERIZATION OF SOME NANOCRYSTALLINE MATERIALS SYNTHESIZED BY HIGH ENERGY BALL MILLING.

V. Position Held: Assistant Professor (Stage- I) & Head
Department of Physics
Kulti College, Post- Kulti, Pin- 713343
District- Paschim Bardhaman, West Bengal, India

VI. Professional Association: NA

VII. Area of Research Interest: Low Temperature Physics, Condensed Matter Physics.

VIII. Research Projects: NA

IX. Published Papers in Journals:

1. Electrical transport and dielectric modulus formalism of CuO doped ZrO_2 partially stabilized solid solution.
   S.Saha, A.Nandy, A.K.Meikap, S.K.Pradhan.
   Materials Research Bulletin 88(2017) 272-280. Impact Factor- 2.446.
2. Electric modulus formalism and electrical transport property of ball mill synthesized nanocrystalline Mn doped ZrO_2 solid solution.
   S.Saha, A.Nandy, A.K.Meikap, S.K.Pradhan.
   Physica B 479(2015) 67-73. Impact Factor- 1.386.

3. Microstructure characterization and electrical transport properties of nanocrystalline Fe and Fe-doped cubic zirconia cermets synthesized by mechanical alloying.
   S.Saha, A.Nandy, A.K.Meikap, S.K.Pradhan.
   Materials Research Bulletin 68(2015) 66-74. Impact Factor- 2.446.
4. Microstructure characterization and electrical transport of nanocrystalline CdZnS quantum dots.
   S.Saha, S.Sain, A.K.Meikap, S.K.Pradhan.

Physica E 66(2015) 59-66. Impact Factor- 2.221.

5. Microstructure characterization and electrical transport of nanocrystalline ZrO_2-CeO_2 solid solution.
S.Saha, H.Dutta, A.K.Meikap, S.K.Pradhan.
Materials Research Bulletin 48(2013) 3892-3900. Impact Factor- 2.446.

X. Book Edited as an Editor: NA

XI. Presentations in Seminars/Workshops:

1. 1st international Conference On Emerging Trends In Engineering And Science(ETES-2018) organized by Asansol Engineering College held on 23rd and 24th March, 2018. Oral Presentation-" Unique approach to stabilize cubic zirconia at room temperature and potential application in SOFC".

2. **2nd Regional Science & Technology Congress** organized by The University of Burdwan and Department of Higher Education, Govt. of West Bengal held on 16th & 17th November, 2017. **Oral presentation-** "Effect of microstrain on ac and dc conductivities of CuO doped zirconia nanopowders".

XII. Participations in Seminars/Workshops:

1. Participated in TEQIP-II Sponsored One Week Short Term Course On "Advanced Materials And Nanotechnology(AMN-2016)" organized by Department Of Physics, National Institute Of Technology Durgapur during 20-24 June,2016.

2. Participated in TEQIP-II Sponsored One Week Short Term Course On "Advanced Functional Materials" organized by Department Of Physics, National Institute Of Technology Durgapur during November 18-22, 2013.

3. Participated in One Week Short Term Course On "Recent Trends In Materials Science and Electronics (RTMSE-2014)" organized by Department Of Physics, National Institute Of Technology Durgapur during December 10-14, 2014.

XIII. Participation in Orientation/Refresher/Winter or Summer School/STC etc. courses: NA

XIV. Special Training Courses/Camp Attended as NSS Programme Officer: NA

XV. Any other information: 13 years and 11 months of industrial experience in steel

Authority of India Limited (PSU)

Qualified in NET (CSIR UGC JRF)

Qualified in GATE

(Updated: May, 2018)