Curriculum Vitae

Name: **Dr. Rini Labar**
***Designation*: Assistant Professor**
***Date of Birth*: 17.06.1990**
***Date of Joining*: 01.04.2017**

***Address*: Srimantapally, Santiniketan, Bolpur**
***Email*: rl.phys@kccollege.ac.in**
***Phone No.*: 8016693149**

Education

***Academic Qualifications*: M.Sc. (Physics), Ph.D.**
***Specialization*: Electronics, Nanoscience, and nanotechnology**
***Research Interests*: Material Science, Nanoscience and nanotechnology**

Work Experience

***Teaching Experience*: 6 Years**
***Research Experience*: 8 years**

Personal Skills

Languages known: English, Nepali, Hindi, Bengali

Computer skills: Linux (OS), Windows (OS), Latex, Libre Office, Microsoft Office, C Language, Scilab, Origin, Google Workspace.

Publications

1. Fabrication and Characterization of Back-to-Back Schottky Diode in Ni/ZnO/Ag Nanojunction
R Labar and T K Kundu
(Journal of Electronic Materials: Vol 51, pages223–231 (2022), Metals & Materials Society, Springer)

2. Barrier Inhomogeneities in n-ZnO/p-Si Heterojunctions fabricated with ZnO Nanorods.
R Labar and T K Kundu
(Journal of ELECTRONIC MATERIALS: Vol: 47, pages3628–3633 (2018), The Minerals, Metals & Materials Society, Springer)

3. Structural and optical properties of post-annealed Mg doped ZnO thin films deposited by the sol-gel method
J. Sengupta, A. Ahmed, and R. Labar
(Materials Letters 109 265–268 (2013), Elsevier)

4. Green and Blue Emission from ZnO Nanorods Prepared by Using Polyvinylpyrrolidone Molecules

N. Karak, R. Labar, P. Barik, and T. K. Kundu
(Advanced Science, Engineering and Medicine: Vol. 7, 1–7, 2015. American Scientific Publishers)

5. Indoor Quality of Residential Homes and Schools of an Industrial Area in Asansol: Characterization, Bio accessibility and Health Risk Assessment of Potentially Toxic Elements
M. Pal, M. Gope, A. Basu, T. Laha, R. E. Masto, R. Labar, T. K. Kundu, R. R. Hoque, P. S. Khillare and S. Balachandran
(Nature Environment and Pollution Technology:An International Quarterly Scientific Journal. Vol. 20 pp. 13-28 2021(e-ISSN: 2395-3454)

6. DC conductivity mechanism in La0.7Sr0.3MnO3 (LSMO)-ZnO nanocomposites
Sumon Chatterjee, Rini Labar, Mehbub A. K. Nooruddin, Subhasish Roy, Tapas Kumar Kundu
(J. Appl. Phys. 134, 064301 (2023)

National/International Seminars/ Conferences Attended/Papers presented

1. National Conference on Condensed Matter Physics CM DAYS 2015. (Paper Presented)

2. Workshop on Astrophysics and Cosmology 2015

3. National Conference on Frontier of Research and Applications using Electron Microscopy. (Paper Presented)

4. International Conference on Advancement in Science and Technology (ICAST-2018). (Paper Presented)

5. IEM-PHYS, International Conference on Advanced Physics, 2023. (Paper Presented)

Participation in RC/FDP/FIP

1. FDP (Learning Management Systems and Open Educational Resources), Krishna Chandra College), 2020.

2. FIP, Aligarh Muslim University, Aligarh Muslim University, 2022.

3. RC, Aligarh Muslim University, Aligarh Muslim University, 2022.

4. RC, Aligarh Muslim University, Aligarh Muslim University, 2023.

Achievements/ Awards

*** CSIR NET (LS)**
***Rajiv Gandhi National Fellowship (JRF)**

Declaration: I hereby declare, that the above given information is true to my knowledge.