



Dr. Sanjib Kar  
Associate Professor



### Area of Research Interest:

- Metal complex
- Natural Products: Extraction and Applications
- Medicinal Chemistry

### Collaborative Work:

1. Antibacterial Activity of Frond Extract of *Asplenium Nidus* L. in collaboration with Department of Botany and Biotechnology, Karimganj College, Karimganj.

### List of Publications:

1. Green synthesis of a new zinc complex of 2-amino-4-hydroxypteridine (pterine) **Journal of Science Forum vol. 4 No. 1 2015, 68-72** (ISSN 0976 – 5395).
2. Emerging Environmental Issues in Today's Society with Special Reference to North East India Dilip Sarkar & Nandini Gupta (Eds). Supriya Books, New Delhi, 2015, 38-52 (ISBN: 978-93-84471-07-1) *Ch4: Green Synthesis of a Copper Complex of 2-amino-4-hydroxypteridine and Its Effect on Induced Tumor in Animal Model*. Sanjib Kar, Debarati Nath, Sudip Dey & C.R. Bhattacharjee.
3. Antibacterial Activity of Frond Extract of *Asplenium Nidus* L., A Threatened Ethnomedicinal Fern of North East India. **International Journal of Pharmacognosy and Phytochemistry**, Vol. 28, Issue 2, 2013, 1169-1172 (ISSN: 2051 – 7858).
4. Antibacterial Activity of two Lepidopteran wing pigments. **Journal of Science Forum, Karimganj College, Vol.2, No.1, 2011, 146-152** (ISSN: 0976 – 5395).
5. Green synthesis of a potential anticancer cobalt-pterine complex. **Journal of Science Forum, Karimganj College, Vol.2, No.1, 2011, 46-53** (ISSN: 0976 – 5395).
6. Effect of 2-amino-4-hydroxypteridine on induced Tumor (Dalton's Lymphoma) in Animal Model. **Assam University Journal of Science & Technology: Physical Sciences and Technology** Vol. 6 Number 2, 2010, 6-9 (ISSN: 0975 – 2773).