

## Bio-data

Name- ANINDITA ROY (MUKHERJEE)

Husband's Name- Dr. Subhra KantiMukhopadhyay

Sex- Female

Date of Birth- 03.04.1965 (Third April, Nineteen hundred sixty five)

Present Designation: Assistant Professor in Microbiology (Grade-II)

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Educational Qualification:

Degree	Subject	Year	Institution/ College/ School Board/University
Ph.D.	Botany (Microbiology)	1999	Burdwan University
B.Ed.	Life Science First Class	1989	Burdwan University
M.Sc.	Botany (Microbiology) First Class	1987	Burdwan University
B.Sc. (Hons.)	Botany Second Class	1985	MUC Women's College, Burdwan

### **Awards and Distinctions:**

1. Awarded Junior Research Fellowship by UGC, India in 1994.
2. Awarded Senior Research Fellowship by UGC, India in 1996-98.
3. Qualified Graduate Aptitude Test (GATE 1993).
4. Best Poster Presentation award in the National Seminar on "Advent of Biotechnology in Life Processes", organized by the Department of Biotechnology, BU.
5. Acted as Programme Officer, NSS Unit-I of MUC Women's College, Burdwan from 2014 to March, 2019.

**Research experience:** Five years during Ph.D. as JRF and SRF and Two years as PI of a Minor project funded by UGC

**Teaching experience-** Fifteen Years- Seven years as full time Contractual Teacher and eight years as Assistant Professor in the Dept. of Microbiology MUC Women's College, Burdwan, B.U.

**Completed Research Project-** One UGC funded Minor Research Project on Isolation and identification of potent thermophilic bacterial strain from hot spring of West Bengal for enzymatic production of L-tryptophan'. Total allocation of fund- Rs. 445000/- (Sanction letter No- PSW-034/15-16 (ERO) ID NO.- WBI-048, Serial No-300310, dated- 04.07.2017

**Selected Publications:**

1. Maiti TK, Roy A, Mukherjee SK, Chatterjee SP. Microbial production of L-tyrosine: a review. *Hindustan Antibiotic Bull.* 1995; 37(1-4):51-65. ISSN No.- 00181935
2. S.K. Mukhopadhyay, S. Paul, A. Roy, SP Chatterjee. Xylanolytic enzyme production by *Aspergillus flavipes*. *Indian Journal of Microbiology.* 1997; 37:77-80. **IF-2.461**
3. A Roy, SK Mukhopadhyay and SP Chatterjee. Production of Tyrosine by Auxotrophic and Analogue resistant mutants of *Arthrobacter globiformis*. *Journal of Scientific and Industrial Research* 1997; 56:727-733. **IF-1.056**
4. A Roy, S K Mukhopadhyay. L-Tryptophan Production by Auxotrophic and Analogue Resistant Mutants of *Aureobacterium flavescens*. *International Journal of Tryptophan Research* 01/2011; 4:39-46. **IF-5.609.**
5. Ajit Kumar Mahapatra, Jagannath Roy, Prithidipa Sahoo, SubhraKanti Mukhopadhyay, Anindita Roy Mukhopadhyay, Debasish Mandal. Fluorescence sensing of caffeine in aqueous solution with carbazole-based probe and imaging application in live cells. *Bioorganic & medicinal chemistry letters* 07/2012; 22(17):5379-83. **IF-2.823**
6. Bidisha Sarkar, Ipsit Hauli, Trinetra Mukherjee, Anindita Roy, Subhra Kanti Mukhopadhyay. L-Tryptophan production by a psychrophilic *Pseudomonas* sp. 023K: A new report. *Der Pharmacia Lettre*, 10/2013; volume 5(issue 5):35-42. ISSN : 0975-5071
7. Ipsit Hauli, Bidisha Sarkar, Anindita Roy, SubhraKantiMukhopadhyay. Ethanol production from xylose and enzymatic hydrolysate of hemicelluloses by a newly isolated yeast strain. *Journal of Microbiology and Biotechnology Research.* 08/2013; 3(Issue 4):54-58. ISSN: 2231-3168
8. Mahapatra AK, Hazra G, Mukhopadhyay SK, Mukhopadhyay A Roy. A new selective turn-on fluorogenic dipodal-cobalt (II) ensemble probe for nitrite ion detection and live cell imaging. *Tetrahedron Letters.* 2013 Feb 27;54(9):1164-8. • **IF- 2.415**

9. Sougata Sinha, Rik Rani Koner, Sunil Kumar, Jomon Mathew, Anindita Roy, Subhra Kanti Mukhopadhyay, Chayan K. Nandi, Subrata Ghosh. Structurally tuned benzo[h]chromene derivative as Pb<sup>2+</sup> selective 'turn-on' fluorescence sensor for living cell imaging. *Journal of Luminescence* 2013; 143, 355-360. ISSN No 0022-2313. **IF-3.599**
10. Ghosh M, Mandal S, Roy A, Chakrabarty S, Chakrabarti G, Pradhan SK. Enhanced antifungal activity of fluconazole conjugated with Cu-Ag-ZnO nanocomposite. *Materials Science and Engineering: C*. 2020 Jan 1;106:110160. doi-10.1016/j.msec.2019.110160. **IF-7.328**
11. Ghosh M, Pradhan S, Mandal S, Roy A, Chakrabarty S, Chakrabarti G, Pradhan SK. Enhanced antibacterial activity of a novel protein-arginine deiminase type-4 (PADI4) inhibitor after conjugation with a biocompatible nanocarrier. *Journal of Drug Delivery Science and Technology*. 2022 Jun 28:103549. DOI: [10.1016/j.jddst.2022.103549](https://doi.org/10.1016/j.jddst.2022.103549). **IF-3.981**
12. Ghosh M, Roy A, Pradhan SK. A novel strategy for the enhancement of the antibacterial activity of ciprofloxacin by conjugating it with a biocompatible nanocomposite. In *AIP Conference Proceedings* 2022 May 26 (Vol. 2464, No. 1, p. 020004). AIP Publishing LLC. DOI.org/10.1063/5.0082418. **ISSN**: 0094-243X (print); 1551-7616 (web). **IF-0.402**.
13. Ghosh M, Mandal S, Roy A, Mondal P, Mukhopadhyay SK, Chakrabarty S, Chakrabarti G, Pradhan SK. Synthesis and characterization of a novel nanocarrier for biocompatible targeting of an antibacterial therapeutic agent with enhanced activity. *Journal of Drug Delivery Science and Technology*. 2021 Dec 1;66:102821. DOI-10.1016/j.jddst.2021.102821. **IF- 3.981**.
14. Sultana KW, Das S, Chandra I, Roy A. Efficient micropropagation of *Thunbergia coccinea* Wall. and genetic homogeneity assessment through RAPD and ISSR markers. *Scientific reports*. 2022 Jan 31;12(1):1-1. **IF- 4.996**. **ISSN**: 2045-2322.
15. Ghosh M, Roy A, Pradhan SK. A comparative study on the antibacterial activities of TiO<sub>2</sub>-Ag nanocomposites with the different molar percentages of Ag. *Materials Today: Proceedings*. 2022 Jul 2. DOI- 10.1016/j.matpr.2022.06.382. **IF-1.46**. **ISSN-22147853**.
16. Sultana K, Chatterjee S, Roy A, Chandra I. An Overview on Ethnopharmacological and Phytochemical properties of *Thunbergia* sp. *Med Aromat Plants*. 2015;4(217):2167-0412.