



1. Name: ANINDITA ROY (MUKHERJEE)
2. Date of birth: 03.04.1965
3. Name of parents: Late Jitendra Nath Roy and Mrs. Sadhana Roy
4. Address: (a.) Present; (b.) Permanent; (c.) Official
Present Address- Department of Microbiology, MUC Women's College, Burdwan, West Bengal-713104,
Present Address- Qrt. No.- U7A/K4, Tarabag, Burdwan, West Bengal-713104, India
Permanent Address- 10/A P.C. Mitra Lane, Parapukur, Burdwan, West Bengal-713101, India
5. Contacts: (e-mail and ph. no. preferably active WhatsApp no.)- aroymicro@gmail.com, WhatsApp.- 7001063810
6. Religion: Hinduism
7. Nationalism: Indian
8. Academic Qualifications: (From highest to lowest with detail e.g. year of Passing, Board/College/University, Percentage of total Marks, Class, Specialization if any-

Degree	Subject	Year	Institution/ College/ School Board/University
Ph.D.	Botany (Microbiology)	1999	Burdwan University
B.Ed.	Life Science First Class (60%)	1989	Burdwan University
M.Sc.	Botany (Specialization- Microbiology), First Class (60.33%)	1987	Burdwan University
B.Sc. (Hons.)	Botany (H) Second Class (57%)	1985	MUC Women's College, Burdwan

9. National Eligibility Test qualified if any (UGC NET, UGC-CSIR NET, SET/SLET, GATE, etc with the year)-
Qualified GATE-1992 with 84.09 percentile score
10. Research experience: (a.) Details of personal research (M.Phil./Ph.D.); (b.) Research Supervision, if any
Ph.D. thesis title- " Production of L-tryptophan by auxotrophic mutant of *Aerobacterium flavescens*"
Research Experience- Five years during Ph.D. as JRF and SRF and Two years as PI of a Minor project funded by UGC. Experience of collaborative research with the research scholars of Department of Biotechnology and department of Physics of the University of Burdwan, Department of Chemistry, BESU for last several years.
11. Postdoctoral Research experience, if any: Give a short description with in detail- NIL
12. Research Projects, if any (Provide details – Ongoing/Completed)- Completed one UGC funded Minor Research Project on " Isolation and identification of potent thermophilic bacterial strain from the hot spring of West Bengal for enzymatic production of L-tryptophan" [PSW-034/1516 ERO ID No.- WB1-048, dated- 22.06.2017, Serial No.- 3003110; Sanctioned amount granted- 445000/-]
13. Patent, if any: NIL

14. ORCID ID: if any- 0000-0001-5546-9381

15. No. of Citations, if any: (as on 31.01.2024 preferably from google scholar citation index)- 72

16. H-index: if any- 05

17. i10 –index: if any- 03

18. Awards/Recognition/Honour, if any- awarded JRF and SRF by UGC

19. Paper Presentation details (State, National and International Level):

Sl. No.	The title of the paper Presented	Title of Conference/ Seminar	Organized by	International/ National/State
1	Teixobactin... resistant pathogen	One day National Symposium on 'Modern Approach of ..Globalization'	DST Govt. of WB & The University of Burdwan	National
2	Workshop	Expanding... and welfare'	Dept. of Biotechnology, Govt. of India & Govt of WB	National

20. Invited Lectures/ Resource person, if any: NIL

21. Publication details other than journal: (a.) Books written/edited; (b.) Essays/Articles; (c.) Chapters in a book;(d) Study Materials prepared- One

Sl. No.	Title of the publication with page no. and year of publication	Name of the publisher	ISSN/ ISBN No.
1	A short review on Biochemistry of Aloe vera [L.] Burm. f. P- 55-59, 2017	Discovery Publishing House Pvt. Ltd., New Delhi, India	978-93-5056-866-8

22. Editing experience, if any: NIL

23. Member on editorial board/Advisory Board: NIL

24. Refresher Course/Orientation Programme/Short Term Course attended:

Sl. No.	Name of the Course	Organized by	Duration
1	UGC Sponsored Orientation Programme	Academic Staff College, The University of	03.06.2014 to 30.06.2014

		Burdwan	(28 days)
2	Ministry of Youth Affairs and Sports, Govt. of India sponsored Orientation Course	RKMishan Ashram, Narendrapur	30.08.2015 to 05.09.2015 (& days)
3	UGC sponsored Refresher Course in Biological Science	HRDC, The University of Burdwan	23.09.2015 to 13.10.2015 (21 days)
4	UGC Sponsored Refresher Course on natural and Bio Sciences	HRDC, The University of Burdwan	24.11.2020 to 07.12.2020 (14 days)
5	UGC Sponsored Refresher Course on Emerging Trends in Natural and Biological Sciences	HRDC, The University of Burdwan	09.09.2022 to 22.09.2022 (14 days)

25. Seminar/Conference/Professional development programme attended:

26. Teaching experience: (a.) this college); (b.) previous experience

In this College- 19 years 4 months (as Contractual full-time Teacher from October, 2004 to November, 2011 and as Assistant Professor Grade-I, II and III from December 2011 to till date)

27. Member on academic bodies outside college (UGBS/PGBS, etc)- Member in BU of UGBS in Microbiology (H) Dept. and Plant Protection; GB Member of Memari College and Shyam Sundar College.

28. Academic Leadership (Head/Convener/ Coordinator, etc)- Acted as HOD, Dept. of Microbiology, MUC Women's College for 5 years

29. Members on different committees within college: member of Admission Committee, Purchase Committee, NAAC Committee etc

30. Experience as members on Selection Committee, if any:

(a) Acted as a Member of the Personality Test Board in Connection with Regional Level Selection Test (AT) , 2011 for the recruitment of Assistant Teacher in non- Government aided Secondary schools of WB.

(b) Acted as External Expert in the selection of Guest Lecturers for the Dept. Of Microbiology, Vivekananda Mahavidyalaya, Burdwan

31. Teaching experience outside the curriculum (NSOU, IGNOU, PCP, etc): NIL

32. Member of Academic Associations: Life Member of the Association of Microbiologists of India (AMI)

33. Area of interest: (both in teaching and present research)- Basic Microbiology, Industrial Microbiology and Medical Microbiology

34. Anything remarkable contribution:

35. Publication: (total no of publication with details till 31.01.2024)- 20

List of Publications:

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

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

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

- 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.
- 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
- 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
- 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
- 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
- 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 Pb²⁺ selective 'turn-on' fluorescence sensor for living cell imaging. *Journal of Luminescence* 2013; 143, 355-360. ISSN No 0022-2313. IF-3.599
- 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.
- 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
- 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
- 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. IF-3.981
- 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.
- 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.
- 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.
- Ghosh M, Roy A, Pradhan SK. A comparative study on the antibacterial activities of TiO₂-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
- Roy A. Enzymatic Production of L-tryptophan by a Thermophilic Strain of *Bacillus licheniformis* Isolated from a

Local Hot Spring of Paniphala, Asansol Area of West Bengal. Journal of Pure Applied Microbiology. 2023 Dec 1;17(4). DOI: 10.22207/JPAM.17.4.27, ISSN: 0973-7510; E-ISSN: 2581-690X.

Ghosh M, Mandal S, Paul S, Chakrabarty S, Roy A, Chakrabarti G, Pradhan SK. Synthesis and characterization of metformin conjugated magnetic nanocomposite with enhanced activity against the human carcinoma cells. Journal of Drug Delivery Science and Technology. 2023 Sep 1;87:104781. DOI: 10.1016/j.jddst.2023.104781

Roy A. Bioinformatic analysis of Asparaginase AnsA3 obtained from a thermophilic Bacillus licheniformis strain 3C1. Journal of Arts, Science and Teaching. August 2023; 05: 103-116. ISSN- 2395-4353

36. Declaration (with signature and date):

I here by declare that the information given above are true to the best of my knowledge.



(Anindita Roy Mukherjee)

Date- 19.02.2024