

: FACULTY DETAILED RESEARCH DATA:

Name of the Faculty: Dr. Priyankar Pal

Designation: Assistant Professor

Department: Biotechnology

School: Life Sciences

Research Area: Environmental toxicology and system physiology

Details of research portfolio of faculty:

A. Researcher's ID details:

Google Scholar ID: <https://scholar.google.com/citations?hl=en&user=yae61eIAAAAJ>

Orchid ID: 0000-0002-1643-3682

Scopus ID

Vidwan ID: 512383

B. Publication details:

1. Conference proceedings/ Conference paper:

Sl. No.	Name of the Conference	Title of the paper	Month & Year of Publication	Author(s) Name	National/ International	doi number (if any)	ISSN/ISBN no.
1	47th All India Cell Biology Conference & International Symposium On 'Cell in Action'	Ascorbic acid and α -tocopherol can take care fluoride induced testicular apoptosis and inflammation in adult Wistar rats	December, 2024	Priyankar Pal and Prabir Kumar Mukhopadhyay	International	NA	NA
2	National conference on Zoology for Ecosystem and Human Health	Supplementation with vitamin C and E can mitigate NaF-mediated testicular and spermatozoal anomalies in adult Wistar rats	April, 2024	Priyankar Pal	National	NA	NA
3	Biomolecules to Biome	Fluoride mediated reproductive abnormalities and its amelioration by combined	August, 2022	Priyankar Pal, Prabir kr Mukhopadhyay	International	NA	NA

		application of vitamin C and E					
4	National conference on science & technology: rural development	Studies on fluoride induced male reproductive toxicities at different doses	February, 2020	Priyankar Pal, Prabir kr Mukhopadhyay	National	NA	NA
5	National Seminar on Advancement of Biology in the 21st Century	Studies on oxidative stress induced testicular and spermatozoal DNA damage by graded doses of sodium fluoride in adult male rats	February, 2020	Priyankar Pal, Prabir kr Mukhopadhyay	National	NA	NA

2. Publications in SCI/Scopus indexed Journals:

Sl. No	Name of the Journal (mention SCI/scopus)	Title of the paper	Month & Year of Publication	Author(s) Name (Highlight the corresponding and 1 st author in every article)	doi number	Issue No. & Volume No.	Page no.	ISSN of the journal
1	Biological Trace Element Research (Scopus and UGC listed)	Molecular Dissection of the Arsenic-Induced Leukocyte Incursion into the Inflamed Thymus and Spleen and Its Amelioration by Co-supplementation of L-Ascorbic Acid and α -Tocopherol	September, 2024	Jeet Maity , Priyanka r Pal , Madhurima Ghosh , Bhagyashree Naskar , Santanu Chakraborty , Ranjana Pal , Prabir Kumar Mukhopadhyay	10.1007/s12011-024-04378-z.	203(6)	3088-3108	0163-4984
2	Biological Trace Element Research (Scopus and UGC listed)	Co-administration of L-Ascorbic Acid and α -Tocopherol Alleviates Arsenic Induced Immunotoxicities in the Thymus and Spleen by Dwindling Oxidative Stress-Induced	2023	Jeet Maity , Priyanka r Pal , , Ranjana Pal , Prabir Kumar Mukhopadhyay	https://doi.org/10.1007/s12011-023-03841-7	202(5)	2199-2227	0163-4984

		Inflammation.						
3	Toxicology Research (Scopus and UGC listed)	Casein and pea enriched high-protein diet attenuates arsenic provoked apoptosis in testicles of adult rats	June,2023	Sagnik Biswas, Priyanka Pal, Rubia Mondal, Prabir Kumar Mukhopadhyay	10.1093/toxres/tfad043	12(4)	551-563	
4	Naunyn Schmiedeberg's Arch Pharmacol (Scopus and UGC listed)	Attenuation of sodium arsenite mediated ovarian DNA damage, follicular atresia, and oxidative injury by combined application of vitamin E and C in post pubertal Wistar rats	October, 2023	Rubia Mondal, Priyanka Pal, Sagnik Biswas, Alok Chattopadhyay, Amit Bandyopadhyay, Aparna Mukhopadhyay, Prabir Kumar Mukhopadhyay	10.1007/s00210-023-02491-9	396(10)	2701-2720	
5	Biomarkers (Scopus and UGC listed)	Vitamin C and E supplementation can ameliorate NaF mediated testicular and spermatozoal DNA damages in adult Wistar rats	June, 2022	Priyanka Pal, Ayan De, Tarit Roychowdhury, Prabir Kumar Mukhopadhyay	10.1080/1354750X.2022.2048891	27(4)	361-374	
6	Toxicology mechanisms and methods (Scopus and UGC listed)	Fluoride induced testicular toxicities in adult Wistar rats	June, 2021	Priyanka Pal, Prabir Kumar Mukhopadhyay	10.1080/15376516.2021.1891489.	31(5)	383-392	
7	Genes and Diseases (Scopus and UGC listed)	Molecular basis of fluoride toxicities: Beyond benefits and implications in human disorders	September, 2021	Priyanka Pal, Niraj Kumar Jha, Debankur Pal, Saurabh Kumar Jha, Utpal Anand, Abilash Valsala	10.1016/j.jgendis.2022.09.004	10(4)	1470-1493	

				Gopalakrishnan , Abhijit Dey , Prabir Kumar Mukhopadhyay				
8	Human and experimental toxicology (Scopus and UGC listed)	Molecular perspective concerning fluoride and arsenic mediated disorders on epididymal maturation of spermatozoa: A concise review	December, 2021	Priyankar Pal , Sagnik Biswas , Prabir Kumar Mukhopadhyay	10.1177/09603271211021474.	40(12)	2025-2038	
9	International Journal of Neurology Research (Google Scholar/Cross Ref)	The mechanistic approach of arsenic mediated neurotoxicity-a concise review	2024	Ritu Das, Priyankar Pal	<u>10.33545/2664908X.2024.v6.i1a.21</u>	6(1)	5-8	P-ISSN: 2664-908X E-ISSN: 2664-9098
10	International Journal of Biology Sciences (Google Scholar/Pubmed/Pubmed Central)	Impact of chlordecone exposure on reproductive system: A concise review	2024	Shailja Chourasia, Priyankar Pal	10.33545/26649926.2024.v6.i1b.198	6(8)	124-128	1449-2288
11	International Journal of Immunology Research (Google Scholar)	Immunotoxicity caused by excessive mercury exposure: A brief overview	2024	<u>Piusha Mondal</u> , Priyankar Pal	<u>10.33545/26648865.2024.v6.i1a.21</u>	6(1)	1-3	ISSN: P-ISSN: 2664-8865

3. Book chapter:

Sl. No.	Title of the Text/Reference book	Publishers	Author(s) Name (Highlight the corresponding and 1 st author in every article)	Year	ISBN No.	doi no. (if applicable)
1	The Role of Reactive Oxygen Species in Health and Disease	Nova Medicine @Health, New York	Priyankar Pal , Sagnik Biswas, Rubia Mondal, Prabir Kumar Mukhopadhyay	2023	979-8-89113-182-8	NA
2	Articles from Different Disciplines that Serve as a Link between Research and Development	AkiNik Publications	Akash Singha Roy and Priyankar Pal	2024	978-93-6135-406-9	https://doi.org/10.22271/ed.book.2993
3	Biotech Miracles: Harnessing the Power of Microbes	Integrated Publications	Sudipa Mukherjee and Priyankar Pal	2024	978-93-5834-436-3	https://doi.org/10.62778/int.book.479
4	Microbial Biotechnology in Industry and Medicine	Bright Sky Publications	Shreeya Das Mahapatra and Priyankar Pal	2024	978-93-6233-478-7	https://doi.org/10.62906/bs.book.213
5	Microbes and Biotechnology: Real-World Applications	Integrated Publications	Sakshi Shaw and Priyankar Pal	2024	978-93-5834-281-9	https://doi.org/10.62778/int.book.451
6	Interdisciplinary Review Articles Assisting as a Bridge between Research & Development	AkiNik Publications	Priti Goswami and Priyankar Pal	2024	978-93-6135-236-2	https://doi.org/10.22271/ed.book.2879
7	The Living Laboratory Biotechnology & Microbial Frontiers	AkiNik Publications	Tanya Das , Sovan Patra, Mayisha Sultana, Tuhin Mukherjee, Souradeep Banerjee and Priyankar Pal	2025	978-93-6135-365-9	https://doi.org/10.22271/ed.book.3211
8	The Living World: Fundamentals of Life Sciences	AkiNik Publications	Aditi Dinda , Akash Saha, Sagnik Sardar, Addityaa Sinha and Priyankar Pal	2025	978-93-6135-585-1	https://doi.org/10.22271/ed.book.3190
9	Life at the Molecular Level an Understanding of Biology	Bright Sky Publications	Souradeep Banerjee , Mayisha Sultana, Tanya Das, Tuhin Mukherjee, Sovan Patra, and Priyankar Pal	2025	978-93-6233-615-6	https://doi.org/10.62906/bs.book.332
10	Life at the Molecular Level an Understanding of Biology	Bright Sky Publications	Sudipa Mukherjee and Priyankar Pal	2025	978-93-6233-615-6	https://doi.org/10.62906/bs.book.332
11	Biobridges: Connecting Technology with the Future of Life	Integrated Publications	Sohani Das , Tiyaasha Saha, Tanisha Bhowmick, Ananyo Mazumdar, Ashis Ghosh, Rupesh Dutta Banik, Debjit De and Priyankar Pal	2025	978-93-5834-179-9	https://doi.org/10.62778/int.book.535
12	FRONTIERS IN BIOTECHNOLOGY: EMERGING APPROACHES AND STRATEGIES	NA	Santanu Paul , Debjit De, Priyankar Pal, Bidisha Ghosh	2023	978-93-5980-245-9	NA

13	Microbiome: Principles and explorations	NA	Rupesh Dutta Banik, Debjit De, Priyankar Pal	2023	978-93-5980-246-6	NA
14	FRONTIERS IN BIOTECHNOLOGY: EMERGING APPROACHES AND STRATEGIES	NA	Priyankar Pal, Debjit De, Rupesh Dutta Banik, Santanu Paul	2023	978-93-5980-245-9	NA

4. Text/Reference book published from reputed national/international publishers:

Sl. No.	Title of the Text/Reference book	Publishers	Author(s) Name (Highlight the corresponding and 1 st author in every article)	Year	ISBN No.	doi no. (if applicable)

5. Project granted:

Sl. No	Sponsoring Agency	Name of the project	Duration		Amount in Lakhs	PI/ CO-PI
			Starting Month & Year	Ending month & Year		

6. Consultancy Project Grant:

Sl No.	Project title	Funding Agency	Duration	Completed (yes/no)	Sanctioned amount (in Rs.)	PI and CO-PI (if any)

7. Patent/IPR granted:

Sl. No.	Name of the patent	Name of the applicant	Name of the inventor	Date of File	Date of Publication	Whether Granted (yes/no); If yes, Date of Grant	Application No.
1	Anti-diabetic powder composition	Swami Vivekananda University	1)Ms. Tanisha Sengupta 2)Ms. Aparna Ghosh 3)Ms. Mayuree Mondal 4)Ms. Shatarupa Das 5)Ms. Anuska Laha 6)Dr. Priyankar Pal 7)Mr. Saurabh Adhikari	11.3.2025	28.3.2025	No	202531021921A

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