

: FACULTY DETAILED RESEARCH DATA:

Name of the Faculty: Dr. Pritha Pal

Designation: Assistant Professor

Department: Microbiology

School: Life Sciences

Research Area: Cancer genetics, Metal Bioremediation

Details of research portfolio of faculty:

A. Researcher's ID details:

Google Scholar ID: Cz4l9dEAAAAJ

Orcid ID: 0000-0002-1277-093X

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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	ICEDC 2023	Study of Correlation of Arsenic in Fish Flesh and Occurrence of Oral Carcinoma in Effected Areas of West Bengal	2024	Tanmoy Basak, Pritha Pal, Subhasis Sarkar	National	DOI: 10.18311/jmmf/2023/36036	0022-2755
2	ICEDC 2023	Ecological safety study of Biogenic mono and bimetallic (Au-Ag) alloy NPs	2024	Rupesh Dutta Banik, Rakesh Kumar Mondol, Bubai Das, Pritha Pal, Sibashish Baksi, Sabyasachi Ghosh	National	DOI: 10.18311/jmmf/2023/36036	0022-2755
3	ICALF 2023	Impact of fluoride toxicity- a worldwide threat	2024	Moumim Gharami, Sudipta Chakraborty, Srimika Maira, Aayushee Chatterjee, Pritha Pal	National	10.53555/sfs.v10i1s.2169	2368-7487
4	ICALF 2023	Effect of nitrate contamination in groundwater- a worldwide concern	2024	Arshiya Nabi , Susoma Garai , Piusha Mondal , Falguni	National	10.53555/sfs.v10i1s.2170	2368-7487

				Pal, Sabyasachi Ghosh, Pritha Pal			
5	ICALF 2023	Study of extent of global uranium contamination in groundwater	2024	Madhusmita Padhi, Moumita Mukherjee, Sibashish Baksi, Pritha Pal	National		2368-7487
6	ICALF 2023	Study of acute arsenic toxicity on a global scenario	2024	Tanaya Bhattacharya, Keshab Ghosh, Aritri Laha, Pritha Pal	National	10.53555/sfs.v10i1S.2162	2368-7487
7	ICALF 2023	Impact of chronic arsenic toxicity on human health: A review	2024	Rupesh Dutta Banik, Uparna Dutta, Sneha Sahani, Shreya Saha, Subhankar Paul, Sibashish Baksi, Pritha Pal	National		2368-7487
8	ICALF 2023	Green strategy for reclaiming ecosystem: microbial remediation of leather industry wastes	2024	Rupesh Dutta Banik, Pritha Pal, Sibashish Baksi	National	10.53555/sfs.v10i1s.2161	2368-7487
9	ICALF 2023	Severity of Oral Carcinoma with Respect to Various Addictions- A Study in West Bengal	2024	Pritha Pal, Rittick Dutta, Shrabani Roy, Riya Majumder, Sibashish Baksi	National		2368-7487
10	ICALF 2023	A review on bioinspired and green synthesis of silver nanoparticles with their antimicrobial activity	2024	Roy, S., Ghoshal, A., Panda, R., Pal, P., & Ghosh, S	National		2368-7487
11	ICALF 2023	HPV vaccination: A comprehensive approach to control cervical cancer	2024	Ghazal, U., Pal, P., & Baksi, S	National		2368-7487
12	ICALF 2023	Cadmium (Cd) bacteria	2024	Ghorui, A., Pal, S., Pal, S., Ghosh, K., Dutta, U., Sutradhar, B.D., Das, D., Pal, P., Laha, A	National		2368-7487
13	ICSA 2023	Study of Impact of Dietary Factors on Prevalence of Colon Cancer	2024	Rupankar Barik, Pritha Pal	National	https://doi.org/10.17762/jaz.v44iS6.2590	0253-7214
14	ICSA 2023	A Review on Association of Diet and Lifestyle with the occurrence of Hepatocarcinoma	2024	Srimika Maira, Samrat Dhar, Pritha Pal	National	https://doi.org/10.53555/jaz.v44iS5.3280	0253-7214
15	ICSA 2023	Role of Live Microorganisms in Colon Cancer- A Review on Probiotic Effect.	2024	Shinjini Dhar Halder, Bidyut Bandyopadhyay, Pritha Pal	National	https://doi.org/10.53555/jaz.v44iS5.3485	0253-7214
16	ICSA 2023	Deciphering Nitrogen Fixing Role of Various Fungal Species – A Study	2024	Uzma Juned, Pritha Pal	National	https://doi.org/10.53555/jaz.v44iS5.3216	0253-7214
17	ICSA 2023	Black Pepper Being a Potent Anti-Carcinogen- A Short Review	2024	Aakansha Chourasia, Pritha Pal	National	https://doi.org/10.53555/jaz.v44iS5.3477	0253-7214
18	ICSA 2023	Study of Microbial Impact on Lead Remediation in	2024	Rupesh Dutta Banik, Pritha Pal	National	https://doi.org/10.53555/jaz.v44iS	0253-7214

		Industrial Wastewater				5.3209	
19	ICSA 2023	Diet and Epidemiology- Their Effect on Esophageal Carcinoma	2024	Aayushee Chatterjee, Pritha Pal	National	https://doi.org/10.53555/jaz.v44iS5.3289	0253-7214
20	ICSA 2023	Garlic — A Diet Therapy for Various Cancers	2024	Diptika Dey, Pritha Pal	National		0253-7214
21	ICSA 2023	Impact of Lifestyle & Diet on Prevalence of Oral Cancer	2024	Sudipta Chakraborty, Pritha Pal	National	https://doi.org/10.53555/jaz.v44iS5.3287	0253-7214
22	ICSA 2023	Microbial Remediation as An Emerging Industrial Wastewater Treatment Process for Arsenic Extenuation	2024	Rupesh Dutta Banik, Pritha Pal	National	https://doi.org/10.53555/jaz.v44iS6.2581	0253-7214
23	ICSA 2023	Study of Impact of Diet and Lifestyle Factors on Prevalence of Gastric Cancer	2024	Falguni Pal, Pritha Pal	National	https://doi.org/10.53555/jaz.v44iS5.3285	0253-7214
24	ICSA 2023	Arsenic as a Therapy in Cancer: A Short Review	2024	Sabarni Sarkar, Pritha Pal	National	https://doi.org/10.17762/jaz.v44iS6.2579	0253-7214
25	ICSA 2023	Diet and Lifestyle in Renal Carcinoma- a Possible Relation	2024	Susoma Garai, Pritha Pal	National	https://doi.org/10.53555/jaz.v44iS5.3281	0253-7214

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	The Journal of Oriental Research Madras	Study Of Chronic Arsenic Toxicity In Oral Squamous Cell Carcinoma	2021	Pal, P., Halder, A		XCII-IV		0022-3301
2	Acta Scientific Dental Sciences	Arsenic in Ground Water: A Possible Impact on Oral Health	2021	Pal P, Halder A		6 (1)	56-60	2581-4893
3	International Journal of Advancement in Life Sciences	Is There Any Effect Of Addictions In Arsenic Induced Oral Carcinoma?	2019	Pal, P., Raychowdhury, R., Poddar, S., Halder, A	10.31632/ija-lsr.2019v02i02.005	2 (2)	36-42	

	Research							
4	Journal of Oral & Maxillofacial Pathology	Cytogenetic and micronuclei study of human papillomavirus-related oral squamous cell carcinoma	2018	Pal, P., Raychowdhury, R., Basu, S., Gure, P.K., Das, S., Halder, A.	10.4103/jomfp.JOMFP_269_17	22(3)	335-340	
5	Biological Trace Elements Research	Is there any relation of Arsenic Toxicity in HPV related Oral squamous Cell Carcinoma?	2018	Pal P, Halder, A	10.1007/s12011-018-1419-6	188(3)	1-10	
6	International Journal of Medical Science and Clinical Invention	Arsenic in HPV Related Oral Carcinoma- A New Threat of the Decade	2018	Pal P, Halder, A	10.18535/ijmsci/v5i11.02	5(11)	4129-4153	
7	Hematology	Incidence of Fanconi anemia in phenotypically normal aplastic anemia patients in West Bengal	2018	Dutta, A., De, R., Dolai, T.K., Pal, P., Ghosh, S., Mitra, P.K., Halder, A	10.1080/10245332.2017.1422322	23 (7)	405-412	
8	International Journal of Occupational Medicine and Environmental Health	Study of Arsenic Toxicity in Oral/Oropharyngeal Carcinoma in West Bengal	2017	Pal, P., Raychowdhury, R., Dolai, T.K., Roy, S., Dastidar, R., Halder, A	10.13075/ijomh.1896.00806	30 (2)	271-279	
9	Journal of Cardiovascular Disease Research	Homocysteine- Is there any role in coronary heart disease?	2017	Ghosh, S., Roy, S., Kumar, S., Pal, P., Dutta, A., Halder, A	10.5530/jcdr.2017.2.11	8(2)	46-49	
10	Journal of obstetrics and gynaecology	Cytogenetic analysis of patients with primary amenorrhea in Eastern India	2017	Ghosh, S., Roy, S., Pal, P., Dutta, A., Halder, A.	10.1080/01443615.2017.1353595	38(2)	1-6	
11	Malaysian Journal of Medical Research	A Comparative Study of Different Risk Factors with Oral Carcinoma- In Special Reference with Arsenic Toxicity	2017	Pal, P., Dutta, A., Ghosh, S., Halder, A		1 (4)	22-27	2550-1607
12	Malaysian Journal of Medical Research	Is there any role of metal toxicity in amenorrhea?	2017	Ghosh, S., Roy, S., Pal, P., Dutta, A., Halder, A		1 (4)	40-44	2550-1607
13	Otolaryngology: Open Access	Oral Carcinoma, HPV Infection, Arsenic Exposure - their Correlation in West	2016	Pal, P., Raychowdhury, R., Halder, A	10.4172/2161-119X.1000266	6 (5)	62-66	

		Bengal, India						
14	International Journal of Current Research	Variation of Micronuclei Frequency with Risk Factors in Oral/Oropharyngeal Carcinoma in West Bengal	2016	Pal, P., Raychowdhury, R., Dutta, A., Ghosh, S., Halder, A		8 (2)	26235-26237	0975-833X
15	International Journal of Current Research	Isochromosome Xq: Not a rare finding in short stature females with amenorrhoea2	2015	Roy, S., Pal, P., Dutta, A., Ghosh, S., Halder, A		7(6)	16876-16880	0975-833X

3. Book chapter:

Sl. No.	Title of the book	Publishers	Author(s) Name (Highlight the corresponding and 1 st author in every article)	Year	ISBN No.	doi no. (if applicable)
1	Biotechnological Interventions in the Removal of Emerging Pollutants	Springer Nature	Rupesh Dutta Banik, Sibashish Baksi, Pritha Pal	2025	978-981-97-9921-3	10.1007/978-981-97-9922-0
2	Food waste Valorization	Springer Nature	Sibojoyoti Baksi, Pritha Pal, Sibashish Baksi	2025	978-1-0716-4646-5	10.1007/978-1-0716-4646-5
3	The Living Laboratory: Biotechnology & Microbial Frontiers	Akinik Publishers	Soham Banik, Archita Dhara, Arpita Das, Tiyaasha Manna, Prakriti Patra, Aditya das, Ananyo Mazumder, Pritha Pal	2025	978-93-6135-365-9	10.22271/ed.book.3211
4	Life at the molecular level: An understanding of Biology	Bright Sky Publications	Tania Deb, Pritha Pal, Sibashish Baksi	2025	978-93-6233-615-6	10.62906/bs.book.332
5	Life at the molecular level: An understanding of Biology	Bright Sky Publications	Tanisha Sengupta, Pritha Pal	2025	978-93-6233-615-6	10.62906/bs.book.332
6	The Living World: Fundamentals of Life Sciences	Akinik Publishers	Archita Dhara, Arpita Das, Soham Banik, Prakriti Patra, Ananyo Mazumdar, Aditya Das, Tiyaasha Manna, Pritha Pal	2025	978-93-6135-585-1	10.22271/ed.book.3190
7	Biobridges: Connecting Technology with the Future of Life	Integrated Publications	Prakriti Patra, Ananyo Mazumdar, Aditya Das, Tiyaasha Manna, Archita Dhara, Arpita Das, Soham Banik, Pritha Pal	2025	978-93-5834-179-9	10.62778/int.book.535
8	Microbes and Biotechnology: Real-World Applications	Akinik Publishers	Rupesh Dutta Banik, Aadityaa Sinha, Akash Saha, Pritha Pal	2024	978-93-5834-281-9	10.62778/int.book.451
9	Microbial Biotechnology in Industry and Medicine	Akinik Publishers	Deeti Das, Pritha Pal	2024	978 93 6233 478 7	10.62906/bs.book.213
10	Articles from Different Disciplines that Serve as a Link between Research and Development	Akinik Publishers	Aakansha Chourasia, Pritha Pal	2024	978-93-6135-406-9	10.22271/ed.book.2993

11	Microbiome: Principles and Explorations	SVU	Pritha Pal	2023	978-93-5980-246-6	
12	Contemporary Medical Biotechnology Research for Human Health.	Elsevier	Pritha Pal, Ajanta Halder	2022	978-0-323-91251-8	https://doi.org/10.1016/B978-0-323-91251-8.00011-8
	Multidisciplinary Review Book	Taurean Publishers	Pritha Pal, Subhasis Sarkar	2022	978-93-91074-40-1	
	Multidisciplinary Review Book	Taurean Publishers	Pritha Pal, Subhasis Sarkar	2022	978-93-91074-40-1	

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		
1	Ministry of Ayush	Evaluation of Anti dementia potential of selected Homeopathic medicines, their mother tinctures and four traditionally used medicinal plants of Indian system of Medicine	9.1.25	8.1.28	69 lakhs	Co-PI
2	SVU	Study of Microbial Remediation of groundwater in Arsenic effected areas of North 24 Parganas, West Bengal	17.6.25	16.6.27	2 lakhs 44 thousand	PI

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	Probiotic gummies	NA	Sanjukta Banerjee, Prakriti Patra, Saheli Ghosh, Sweta Thakur, Riyanka Sarkar, Pritha Pal	26.04.25	02.05.25	No	202531040469A