

: FACULTY DETAILED RESEARCH DATA:

Name of the Faculty: **Dr. Oly Banerjee**

Designation: **Assistant professor**

Department: **Medical Laboratory Technology**

School: **School of Allied Health Sciences**

Research Area: **Human Physiology [Endocrinology & Reproductive Physiology]**

Details of research portfolio of faculty:

A. Researcher's ID details:

Google Scholar ID: **6Ui7M4cAAAAJ**

Orchid ID: **0000-0002-0810-0183**

Scopus ID: **57203090618**

Vidwan ID: **594411**

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.

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	Naunyn-Schmiedeberg's Archives of Pharmacology [SCI]	Individual and combined antagonism of aryl hydrocarbon receptor (AhR) and	April, 2025	Oly Banerjee , Tiyesh, Paul, Siddhartha Singh, Bithin Kumar Maji, Sandip Mukherjee.	DOI: 10.1007/s00210-024-03506-9	Issue: 4, Volume: 398	3939-3954	1432-1912

		estrogen receptors (ERs) offers distinct level of protection against Bisphenol A (BPA)-induced pancreatic islet cell toxicity in mice.						
2	Science Progress [SCI]	COVID-19 beyond the lungs: Unraveling its vascular impact and cardiovascular complications—mechanisms and therapeutic implications	March, 2025	Ishita Saha , Oly Banerjee, Shampa Sarkar Biswas, Sandip Mukherjee	DOI: 10.1177/00368504251322069	Issue: 1, Volume:108	368504251322069	0036-8504
3.	Journal of Ecophysiology and Occupational Health [SCI]	Occupational Exposure to Mixed Pesticides in Northern West Bengal Tea Gardens: Impact on Acetylcholinesterase Inhibition, Oxidative Stress, and Antioxidant Markers Among Female Tea Pluckers	December 2024	Ananya Bose , Sudipta Kundu, Oly Banerjee, Siddhartha Singh, Anindita Banerjee, Ranajit Mandal, Bithin Kumar Maji and Sandip Mukherjee	DOI: 10.18311/jecoh/2024/43442,	Issue: 4, Volume: 24	415-425	0972-4397
4	Scientific Reports [SCI]	Centella asiatica mitigates the detrimental	April, 2024	Oly Banerjee , Siddhartha Singh, Tiyes Paul, Bithin Kumar	DOI: 10.1038/s41598-024-58545-2	Issue: 14, Volume: 2024	8043	2045-2322

		effects of Bisphenol-A (BPA) on pancreatic islets		Maji & Sandip Mukherjee				
5	Educational Administration: Theory and Practice [SCOPUS]	Prevalence of Lean Diabetes in West Bengal	March, 2024	Oly Banerjee* , Urmimekhala Das, Tiyes Paul, Siddhartha Singh, & Sandip Mukherjee. (* both first and corresponding author)	DOI: 10.53555/kuey.v30i3.3674	Issue: 3, Volume: 30	2226 - 2231	2148-2403
6	Educational Administration: Theory and Practice [SCOPUS]	Assessment of Gonadotropins Level and Their Ratio In Gallstone Patients In Kolkata: A Cross-Sectional Study	March, 2024	Tiyes Paul, Oly Banerjee , Siddhartha Singh, Sangeeta Das, Urmimekhala Das, Sandip Mukherjee	DOI: 10.53555/kuey.v30i3.3677	Issue: , Volume:	2232 - 2236	2148-2403
7	Journal of Advanced Zoology [SCOPUS]	Effect Of Folic Acid And Vitamin B12 On Nicotine Mediated Ovarian Dysfunction	March, 2024	Oly Banerjee* , Siddhartha Singh, Tiyes Paul, Sandip Mukherjee (* both first and corresponding author)	DOI: 10.53555/jaz.v45i2.4460	Issue: 2, Volume:45	1594-1599	0253-7214
8	Journal of Advanced Zoology [SCOPUS]	Catalase Deficiency Worsens Toxic Effects Of Bisphenol A (BPA) On Ovarian Steroidogenesis	March, 2024	Oly Banerjee* , Siddhartha Singh, Tiyes Paul, Sandip Mukherjee (* both first and corresponding author)	DOI: 10.53555/jaz.v45i2.4462	Issue: 2, Volume: 45	1603-1608	0253-7214
9	Journal of Advanced Zoology [SCOPUS]	Bisphenol A-A Major Concern For Ovarian Function: Protective Role Of	March, 2024	Urmimekhala Das, Oly Banerjee , Siddhartha Singh, Sangeeta Das, Tiyes Paul, Sandip Mukherjee	DOI: 10.53555/jaz.v45i2.4463	Issue: 2, Volume: 45	1609-1614	0253-7214

		Black Tea Extract						
10	Journal of Advanced Zoology [SCOPUS]	Assessment Of Oral Mucosal Epithelium In Type 2 Diabetic Patients Using Exfoliative Cytology: A Preliminary Study	March, 2024	Neha Tyagi ¹ , Oly Banerjee, Tiyyesh Paul ³ , Titlee Majumder, Sandip Mukherjee	DOI: 10.53555/jaaz.v45i2.4458	Issue: 2, Volume: 45	1590-1593	0253-7214
11	International Journal of Applied Research [WOS & UGC Care]	Advances in circadian rhythm research: Unraveling the molecular mechanisms and health implications	September 2024	Oly Banerjee	DOI: 10.22271/alresearch.2024.v10.i11e.12172	Issue: 11 , Volume:10	290-293	2394-5869
12	International Journal of Applied Research [WOS & UGC Care]	Hypothalamic inflammation: A central player in the pathogenesis of diabetes mellitus	September 2024	Oly Banerjee	DOI: 10.22271/alresearch.2024.v10.i11e.12173	Issue: 11 , Volume:10	294-296	2394-5869
13	International Journal of Biological Sciences [WOS & UGC Care]	The role of the immune system in aging: Mechanisms and implications for health	November, 2024	Oly Banerjee	DOI: 10.33545/26649926.2024.v6.i2c.245	Issue:2 , Volume:6	149-151	2664-9934
14	International Journal of Biological Sciences [WOS & UGC Care]	The gut-brain axis: A gateway to understanding health and disease	November, 2024	Oly Banerjee	DOI: 10.33545/26649926.2024.v6.i2c.249	Issue:2 , Volume:6	167-169	2664-9934
15	Toxicology [SCI]	Exploring aryl hydrocarbon receptor (AhR) as a	December 2023	Oly Banerjee , Siddhartha Singh, Shilpi Kumari Prasad, Ankita Bhattacharjee,	DOI: 10.1016/j.tox.2023.153693	Volume: 500	153693	1879-3185

		target for Bisphenol-A (BPA)-induced pancreatic islet toxicity and impaired glucose homeostasis: Protective efficacy of ethanol extract of Centella asiatica		Tapan Seal, Jayanta Mandal, Sangram Sinha, Anindita Banerjee, Bithin Kumar Maji, Sandip Mukherjee				
16	Toxicology International [SCI]	Cadmium-Induced Perturbation of Spleen Redox Status: Therapeutic Role of Pumpkin Seed Protein Isolate	July-September, 2023	Siddhartha Singh , Oly Banerjee, Ishita Saha, Sudipta Kundu, Alak Kumar Syamal, Bithin Kumar Maji and Sandip Mukherjee	DOI: 10.18311/ti/2023/v30i3/32544	Issue: 3, Volume:30	279-288	0976-5131
17	Journal of Ecophysiology and Occupational Health [SCI]	Hazardous Impact of Coal Dust on Hematological Parameters of Underground Coal Mine Workers	September, 2023	Julekha Sultana , Tiyes Paul, Oly Banerjee, Rama Bhaduri, Soumya Sinha Roy, Suwendu Ghosh, Raktima Bandyopadhyay, Sandip Mukherjee and Alak Kumar Syamal	DOI: 10.18311/jecoh/2023/34029,	Issue: 3, Volume: 23	153-161,	0972-4397
18	Toxicology International [SCI]	Protective Effects of Black Tea (Camellia sinensis) Extract on Endosulfan Induced Oxidative Stress, Inflammation and Hepatic Damage in	September, 2022	Maitrayee Banerjee , Oly Banerjee, Siddhartha Singh and Sandip Mukherjee	DOI: 10.18311/ti/2022/v29i3/29822	Issue: 3, Volume:29	353-361	0976-5131

		Rats						
19	Biochemical Pharmacology [SCI]	Molecular dissection of cellular response of pancreatic islet cells to Bisphenol-A (BPA): A comprehensive review	July 2022	Oly Banerjee, Siddhartha Singh, Ishita Saha, Swagata Pal, Maitrayee Banerjee, Sudipta Kundu, Alak Kumar Syamal, Bithin Kumar Maji, Sandip Mukherjee	DOI: 10.1016/j.bcp.2022.115068	Volume:201	115068	0006-2952
20	Environmental and Experimental Biology [SCI]	Therapeutic potential of L-arginine in a rat model of ovarian ischemia-reperfusion injury	April, 2021	Oly Banerjee, Siddhartha Singh, Ananya Bose, Sudipta Kundu, Maitrayee Banerjee, Dibyendu Ray, Bithin Kumar Maji, Sandip Mukherjee	DOI: 0.22364/eeb.19.08	Issue:2, Volume:19	81-88	2255-9582
21	Drug and Chemical Toxicology [SCI]	Dichlorophene activates aryl hydrocarbon receptor (AhR) and indoleamine 2, 3-dioxygenase 1 (IDO1) to mediate splenotoxicity in rat	June 2021	Oly Banerjee, Siddhartha Singh, Shilpi K Prasad, Dibyendu Ray, Maitrayee Banerjee, Swagata Pal, Sudipta Kundu, Bithin Kumar Maji & Sandip Mukherjee	DOI: 10.1080/01480545.2021.1935435	Issue: 5, Volume: 45	2311–2318	0148-0545
22	International Journal of Occupational Safety and Ergonomics [SCI]	Association between duration of coal dust exposure and respiratory impairment in coal miners of West Bengal, India	September, 2020	Shilpi K Prasad, Siddhartha Singh, Ananya Bose, Bimlesh Prasad, Oly Banerjee, Ankita Bhattacharjee, Bithin K Maji, Amalendu Samanta, Sandip Mukherjee	DOI: 10.1080/10803548.2020.1742463	Issue: 3, Volume: 27	794-804	1080-3548

23	Biomedicine [SCOPUS]	Folic acid and vitamin B12 ameliorate nicotine-induced testicular toxicity in rats	November, 2020	Dibyendu Ray, Ankita Bhattacharjee, Oly Banerjee, Shilpi K Prasad, Siddhartha Singh, Bithin K Maji, Amalendu Samanta, Amal C Mondal, Sandip Mukherjee	DOI: 10.51248/ v39i2.208	Issue: 2, Volume: 39	353 - 368	0970-2067
24	Diabetes & Metabolic Syndrome: Clinical Research & Reviews [SCI]	COVID 19 could trigger global diabetes burden – A hypothesis	September– October 2020	Sandip Mukherjee, Oly Banerjee, Siddhartha Singh, Bithin Kumar Maji	DOI: 10.1016/j.d sx.2020.06. 049	Issue: 5, Volume: 14	963-964	1878-0334
25	Journal of Basic and Clinical Physiology and Pharmacology [SCI]	Altered composition of high-lipid diet may generate reactive oxygen species by disturbing the balance of antioxidant and free radicals	March 2020	Arnab Banerjee, Debasmita Das , Rajarshi Paul , Sandipan Roy , Ankita Bhattacharjee , Shilpi Kumari Prasad , Oly Banerjee , Sandip Mukherjee and Bitthin Kumar Maji	DOI: 10.1515/jb cpp-2019- 0141	Issue: 3, Volume:31	20190141	2191-0286
26	Toxicology and Environmental Health Sciences [SCI]	Effect of individual and combined supplementation of phytoene, phytofluene, and lycopene against nicotine-induced pancreatic islet cell dysfunction	March, 2020	Siddhartha Singh, Oly Banerjee, Ankita Bhattacharjee, Shilpi Kumari Prasad, Ananya Bose, Bithin Kumar Maji & Sandip Mukherjee	DOI: 10.1007/s1 3530-020- 00035-9	Volume: 12	11-22	2233-7784
27	Journal of Ethnopharmacology [SCI]	Protective efficacy of <i>Tinospora sinensis</i> against	February 2020	Anindita Banerjee, Siddhartha Singh, Shilpi Kumari	DOI: 10.1016/j.j ep.2019.11 2356	Volume: 248	112356	0378-8741

		ant streptozotocin induced pancreatic islet cell injuries of diabetic rats and its correlation to its phytochemical profiles		Prasad, Sourav Kumar, Oly Banerjee, Tapan Seal, Sandip Mukherjee, Bithin Kumar Maji				
28	International Journal of Radiation Biology [SCI]	Radioprotective effect of ethanolic extract of Alocasia indica on γ -irradiation-induced reproductive alterations in ovary and uterus	November 2019	Shilpi K Prasad , Ananya Bose, Ankita Bhattacharjee, Oly Banerjee, Siddhartha Singh, Sandip Mukherjee, Swagata Pal	DOI: 10.1080/09553002.2019.1642545	Issue:11, Volume:95	1529-1542	0955-3002
29	Archives of Environmental & Occupational Health [SCI]	Combined effect of coal dust exposure and smoking on the prevalence of respiratory impairment among coal miners of West Bengal, India	February 2019	Shilpi Kumari Prasad , Siddhartha Singh, Ananya Bose, Bimlesh Prasad, Oly Banerjee, Ankita Bhattacharjee, Bithin Kumar Maji, Amalendu Samanta, Sandip Mukherjee	DOI: 10.1080/19338244.2019.1568225	Issue:6, Volume:74	350-357	1933-8244
30	Archives of Physiology and Biochemistry [SCI]	Cold stress modulates redox signalling in murine fresh bone marrow cells and promotes osteoclast transformation	November, 2018	Siddhartha Singh , Oly Banerjee, Ankita Bhattacharjee, Shilpi Kumari Prasad, Bithin Kumar Maji, Adipa Saha, Sandip Mukherjee	DOI: 10.1080/13813455.2018.1538249	Issue:4, Volume:126	348-355	1381-3455

31	Toxicology and Industrial Health [SCI]	Inhibition of catalase activity with 3-amino-1,2,4-triazole intensifies bisphenol A (BPA)-induced toxicity in granulosa cells of female albino rats	October, 2018	Oly Banerjee, Siddhartha Singh, Shilpi Kumari Prasad, Ankita Bhattacharjee, Arnab Banerjee, Anindita Banerjee, Adipa Saha, Bithin Kumar Maji, Sandip Mukherjee	DOI: 10.1177/0748233718795744	Issue:11, Volume: 34	787-797	0748-2337
32	Environmental Toxicology [SCI]	Targeting mitochondria with folic acid and vitamin B 12 ameliorates nicotine mediated islet cell dysfunction	September 2018	Ankita Bhattacharjee, Shilpi Kumari Prasad, Oly Banerjee, Siddhartha Singh, Arnab Banerjee, Ananya Bose, Swagata Pal, Bithin Kumar Maji, Sandip Mukherjee	DOI: 10.1002/tox.22586	Issue:9, Volume: 33	988-1000	1522-7278

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	Molecular Nutrition and Mitochondria	Elsevier BV	Sandip Mukherjee, Oly Banerjee, Siddhartha Singh	2022	978-0-323-90256-4	10.1016/B978-0-323-90256-4.00001-1
2	Aloe Vera: bridging traditional with modern science in phytochemistry and pharmacology. In: Archive of Human Health and Wellbeing	AkiNik Publications	Oly Banerjee	2024	978-93-6135-299-7	10.22271/ed.book.2750
3	Unraveling the impact: endocrine disruption and metabolic health. In: Archive of Human Health and Wellbeing	AkiNik Publications	Oly Banerjee	2024	978-93-6135-299-7	10.22271/ed.book.2750
4	Approaches to minimize cross infections within health care environment. In: RECENT TRENDS ON HEMATOLOGY AND INFECTIOUS DISEASE	Swami Vivekananda University (Institutional Publisher)	Oly Banerjee	2024	978-93-6076-130-1	
5	A comprehensive examination of anemia: classifications, origins, indications, and therapeutic approaches. In: RECENT TRENDS ON HEMATOLOGY AND INFECTIOUS DISEASE	Swami Vivekananda University (Institutional Publisher)	Oly Banerjee	2024	978-93-340-7137-5	

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	Method for producing a fermented beverage infused with medicinal plant extracts and pumpkin seed extract	Swami Vivekananda University	Oly Banerjee	12/03/2025	28/03/2025	No	202531022112 A

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