

:FACULTY DETAILED RESEARCH DATA:

Name of the Faculty: Dr. Rajen Dey

Designation: Assistant Professor

Department: Medical Laboratory Technology

School: Allied Health Sciences

Research Area: Basic Neuroimmunology, Cellular receptor modulation, Infectious disease model

Details of research portfolio of faculty:

A. Researcher's ID details:

Google Scholar ID: nfhV1oIAAAAJ

Orchid ID: 0009-0009-2264-8047

Scopus ID: 57194410159

Vidwan ID: 512362

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.	Cell Mol Neurobiol. [SCOPUS]	Microglial Inflammatory Responses to SARS-CoV-2 Infection: A Comprehensive	DEC, 2023	Dey R*, Bishayi B	https://doi.org/10.1007/s10571-023-01444-3	44(1)	2	1573-6830

		ve Review						
2.	Middle East Fertil Soc J. [SCOPUS]	Inflammatory perspectives of polycystic ovary syndrome: role of specific mediators and markers	DEC, 2023	Dey R, Bhattacharya K* , Basak AK et al.	https://doi.org/10.1186/s43043-023-00158-2	28	33	2090-3251
3.	Biomol Concepts. [SCOPUS]	Polycystic ovary syndrome and its management: In view of oxidative stress.	JAN, 2024	Bhattacharya K*, Dey R , Sen D et al.	https://doi.org/10.1515/bmc-2022-0038	15	20220038	1868-503X
4.	J Steroid Biochem Mol Biol. [SCOPUS]	Interplay of calcium, vitamin D, and parathormone in the milieu of infections and immunity: Reassessed in the context of COVID-19	OCT, 2024	Bandyopadhyay U , Sen D, Ahuja D, Mahapatra SP, Biswas D, Maiti R, Chakraborty S, Hazra A, Parua S, Basak AK, Das A, Paul N, Purkait MP, Syamal AK, Dey R* , Bhattacharya K, Adhikary K, Bhattacharjee A	https://doi.org/10.1016/j.jsbmb.2024.106624	245	106624	0960-0760
5.	The Microbe [SCOPUS]	The role of microglia in Zika virus pathogenesis: Possible diagnostic and therapeutic strategies	SEPT, 2024	Paul S , Patra S, Mondal A, Adhikari GS, Ghosh P, Bysack M, Dey R*	https://doi.org/10.1016/j.microb.2024.100180	5	100180	2950-1946
6.	INDIAN JOURNAL OF PHYSIOLOGY AND ALLIED SCIENCES [UGC care]	Simultaneous blockade of TLR4 and TNFR1 attenuates TLR2 sensitivity in LPS-stimulated macrophages through TNFR2-mediated pathway	SEPT, 2024	Bishayi B* , Dey R, Ghosh R, Kanwar M	https://doi.org/10.55184/ijpas.v76i03.247	76(03)	43–56	0367-8350

7.	Journal of Advanced Zoology [WOS & UGC Care]	Covid-19 Induced Neuroinflammation	MAR, 2024	Rajen Dey*	https://doi.org/10.53555/jaz.v45i2.447	45(2)	1544–1548	0253-7214
8.	Journal of Advanced Zoology [WOS & UGC Care]	Pathogenesis And Consequences Of Zika Virus Infection.	MAR, 2024	Subhrajyoti Paul, Sudipta Patra, Ayan Mondal, Gungun Sharma Adhikari, Piu Ghosh, Manojit Bysack, & Rajen Dey*	https://doi.org/10.53555/jaz.v45i2.448	45(2)	1549-1553	0253-7214
9.	Journal of Advanced Zoology [WOS & UGC Care]	Ascorbic Acid: Therapeutic Implications In Neurodegenerative Diseases.	MAR, 2024	Rajen Dey*, & Manojit Bysack	https://doi.org/10.53555/jaz.v45i2.450	45(2)	1554-1558	0253-7214
10.	Journal of Advanced Zoology [WOS & UGC Care]	Abrogation Of Gram Negative Bacteria Induced Inflammation	MAR, 2024	Manojit Bysack*, & Rajen Dey	https://doi.org/10.53555/jaz.v45i2.453	45(2)	1564-1573	0253-7214
11.	Journal of Advanced Zoology [WOS & UGC Care]	A Systematic Review On Consequential Interventions Of Mucuna Pruriens In Male Infertility	MAR, 2024	Ayan Sengupta, Priyanshu Ganguly, Preeti Patra, Ankita Ballav, Banashree Ash, Shayani Das, Rajen Dey, & Manojit Bysack*	https://doi.org/10.53555/jaz.v45i2.455	45(2)	1574-1580	0253-7214
12.	Journal of Advanced Zoology [WOS & UGC Care]	Effect Of Selenium In Altering Hypertension Within Indian Population: A Review.	MAR, 2024	Rupak Bera*, Titlee Majumder Modak, & Rajen Dey	https://doi.org/10.53555/jaz.v45i2.461	45(2)	1600-1602	0253-7214
13.	The Bioscan [WOS & UGC Care]	Staphylococcal brain abscesses: a review	MAY, 2024	Ballav A, Dey R*	https://doi.org/10.63001/tbs.2024.v19.i02.S1.pp19-21	19(2)	19-21	0973-7049
14.	Int. J. Appl. Res. [WOS & UGC Care]	Human papillomaviruses and pathogenesis of cervical	OCT, 2024	Sangita Bhaumik, Rajen Dey*	https://doi.org/10.22271/allresearch.2024.v10.i1	10(11)	302-305	2394-5869

		cancer			1e.12175			
15.	Int. J. Appl. Res. [WOS & UGC Care]	Therapeutics and vaccination strategies against Staphylococcus aureus	OCT, 2024	Priyanshu Ganguly, Rajen Dey*	https://doi.org/10.22271/allresearch.2024.v10.i1.1e.12177	10(11)	310-314	2394-5869
16.	Int. J. Appl. Res. [WOS & UGC Care]	Role of diet in type II diabetes mellitus: A comprehensive review	SEPT, 2024	Arka Chatterjee, Rajen Dey, Manojit Bysack*	https://doi.org/10.22271/allresearch.2024.v10.i1.1e.12170	10(11)	282-284	2394-5869
17.	Int. J. Appl. Res. [WOS & UGC Care]	A thorough review of liver cirrhosis: Epidemiology, causes, etiology, pathophysiology, diagnosis, and treatment management	SEPT, 2024	Arka Chatterjee, Rajen Dey, Manojit Bysack*	https://doi.org/10.22271/allresearch.2024.v10.i1.1e.12171	10(11)	285-289	2394-5869
18.	Int. J. Biol. Sci. [WOS & UGC Care]	Candida albicans infection: Virulence factors and pathogenesis	NOV, 2024	Preeti Patra and Rajen Dey*	https://dx.doi.org/10.33545/26649926.2024.v6.i2c.254	6(2)	215-220	2664-9934
19.	Int. J. Biol. Sci. [WOS & UGC Care]	Antimicrobial agents and techniques used in modern microbiology	OCT, 2024	Ayan Sen Gupta and Rajen Dey*	https://dx.doi.org/10.33545/26649926.2024.v6.i2c.251	6(2)	173-177	2664-9934
20.	Int. J. Biol. Sci. [WOS & UGC Care]	Evaluation of cardiovascular risks through the assessment of cholesterol level	OCT, 2024	Sibu Jana, Rajen Dey and Manojit Bysack*	https://dx.doi.org/10.33545/26649926.2024.v6.i2c.246	6(2)	152-156	2664-9934
21.	Int. J. Biol. Sci. [WOS & UGC Care]	Contribution of liver enzymes in diagnosing hepatic diseases: A review	OCT, 2024	Soumaditya Das, Rajen Dey and Manojit Bysack*	https://dx.doi.org/10.33545/26649926.2024.v6.i2b.244	6(2)	145-148	2664-9934

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.	Brain Aging: A Gradual Change in the Physical and Cognitive Health, Archive of Human Health and Wellbeing	AkiNik Publications	Ayan Sengupta, Rajen Dey*	2024	978-93-6135-299-7	https://doi.org/10.22271/ed.book.2750
2.	Pathogenesis and consequences of C. neoformans Infection: A Review, Archive of Human Health and Wellbeing	AkiNik Publications	Preeti Patra, Rajen Dey*	2024	978-93-6135-299-7	https://doi.org/10.22271/ed.book.2750
3.	Herpesviridae family: structure, classification and pathogenesis, RECENT TRENDS ON HEMATOLOGY AND INFECTIOUS DISEASE	Swami Vivekananda University (Institutional Publisher)	Rajen Dey*	2024	978-93-6076-130-1	
4.	Acute myeloid leukaemia- types and treatment strategies, REGULATORY HEMATOINDICES	Swami Vivekananda University (Institutional Publisher)	Rajen Dey*	2024	978-93-340-7137-5	
5.	INFLAMMATORY PERSPECTIVE OF DISEASE: FROM MOLECULES TO ORGANS, PATHOINSIGHTS: DISEASE DISSECTING MECHANISMS	Swami Vivekananda University (Institutional Publisher)	Rajen Dey*	2025	978-93-342-1790-2	

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.	BED FOR PATIENTS SUFFERING FROM URINARY INCONTINENCE	Dr. Koushik Bhattacharya, Dr. Aniruddha Bhattacharjee, Dr. Rajen Dey, Dr. Gargi Ray Chaudhuri, Dr. Asim Kumar Basak, Dr. Rajkumarmaiti, Mr. Krishnendu Adhikary	Dr. Koushik Bhattacharya, Dr. Aniruddha Bhattacharjee, Dr. Rajen Dey , Dr. Gargi Ray Chaudhuri, Dr. Asim Kumar Basak, Dr. Rajkumarmaiti, Mr. Krishnendu Adhikary	29.11.2023	11.10.2024	NO	400946-001
2.	System for automatic blood support in an operation theatre	Swami Vivekananda University, Mr. Manojit Bysack, Dr. Rajen Dey, Mr. Prabal Patla, Mr. Hasan Ali, Ms. Arpita Ghanti, Ms. Dipika Maity, Mr. Debanjan Giri	Mr. Manojit Bysack, Dr. Rajen Dey , Mr. Prabal Patla, Mr. Hasan Ali, Ms. Arpita Ghanti, Ms. Dipika Maity, Mr. Debanjan Giri	25.02.2025	21.03.2025	NO	202531016528A

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