

CURRICULUM VITAE

MANOJIT BYSACK

M.Sc. (Human Physiology, Specialization in Immunology & Microbiology)

Assistant Professor,

Department of MLT,

School of Allied Health Sciences

Swami Vivekananda University,

Barrackpore, West Bengal, India

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CARRIER OBJECTIVES:

I seek opportunities where I can fully use my skills for the success of the organisation or institute.

WORKING EXPERIENCE:

NAME OF ORGANIZATION & ADDRESS	ORGANIZATION TYPE	TIME PERIOD	DESIGNATION
SWAMI VIVEKANANDA UNIVERSITY (TELINIPARA, BARA KANTHALIA, BARASAT-BARRACKPORE ROAD)	UNIVERSITY	16 TH AUGUST, 2021 TO TILL DATE*	ASSISTANT PROFESSOR (FULL TIME)
PRACTICAL GUIDANCE (GOA BAGAN LANE, MANIKTALA)	ACADEMIC INSTITUTE FOR PRACTICAL BASED HAND ON LAB WORKS (GRADUATION HONS. & GENERAL)	10 TH JANUARY 2019 TO 14 TH AUGUST 2021	ASSISTANT TEACHER
SHIKSHA INSTITUTE (HARALAL MITRA)	ACADEMIC INSTITUTE	10 TH DECEMBER	ASSISTANT TEACHER

STREET, BAGHBAZAR, SHAYAM BAZAR)	(GRADUATION HONS. & GENERAL)	2018 TO 14 TH AUGUST 2021	
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PERSONAL PARTICULARS:

Father's Name: Late Manab Bysack

Mother's Name: Rita Bysack

Nationality: Indian

Date Of Birth: 26th October 1995

Persistent Address: 80, Beadon Street, Kolkata-700006

LANGUAGES KNOWN:

Language	Read	Speak	Write	Proficiency
English	✓	✓	✓	Proficient
Bengali	✓	✓	✓	Proficient
Hindi	✓	✓	✗	Beginner

EDUCATIONAL QUALIFICATION:

Degree/Examination Name	Major Subject	Name Of Institute /University	Percentage / Grade (Till Date)
Post-Graduation (M.Sc) in Human Physiology with Specialization in Immunology And Microbiology (2019)	Human Physiology (Specialization in Immunology And Microbiology)	Rajabazar Science College-Rashbihari Shiksha Prangan [University Of Calcutta]	78.8%
Graduation (B.Sc) in Physiology Honours (2017)	Physiology (Hons.)	Ananda Mohan College [University Of Calcutta]	66%
10+2 Standard (2014)	Physics, Chemistry, Maths, Biology	The Scottish Church Collegiate School [West Bengal Council Of Higher Secondary Education]	64.6%

<p align="center">10th Standard (2012)</p>	<p align="center">Bengali, English, Life science, Physical Science, Mathematics, History, Geography</p>	<p align="center">The Scottish Church Collegiate School [West Bengal Board Of Secondary Education]</p>	<p align="center">76.85%</p>
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TECHNICAL SKILL:

- ❑ Recording of Heart beat both perfused & unperfused
- ❑ Blood associated tests: TC, DC, ESR, CT, BT, CBC
- ❑ Bacterial Culture, Isolation of DNA from samples
- ❑ Muscle, Nerve stimulation recording
- ❑ Histological preparation of slides from all the major organs
- ❑ Blood collection & separation of components
- ❑ Lung Function Test: Spirometry, Peak flow metry
- ❑ Ergonomic Tests: PFI, BSA, BMI etc.
- ❑ Immunology & Microbiology Related assays: RIA, ELISA, FACS, PCR etc.
- ❑ Kymograph Related recordings of Heart and Curve including tracing the effects of drugs.

ACHIEVEMENTS & AWARDS:

- ❑ Received “ Phabhat Kumar Ghosh Memorial Award” for securing highest marks in sectional departments, Ananda Mohan College (CU), & securing rank in Calcutta University, 2017
- ❑ Received “Kumarketan Sen Memorial Award” for securing overall excellence in the entire science subject in Ananda Mohan College (CU), securing rank in Calcutta University, 2017
- ❑ Received “Hemendranath Mukherjee Memorial Award” for securing highest marks in B.Sc. Biology, Ananda Mohan College (CU), securing rank in Calcutta University, 2017
- ❑ Received “ Bijoy Krishna Mondal Award” for securing highest marks in the Department of Physiology, Ananda Mohan College (CU), securing rank in Calcutta University, 2017
- ❑ Received “ Karunaketan Sen Memorial Award” for securing highest marks in the Department of Physiology, Ananda Mohan College (CU), securing rank in Calcutta University, 2017
- ❑ Obtained certificate of participated in National Seminar On Sports Science, Ramkrishna Mission Vidyamandir, 2017
- ❑ Obtained certificate of Pathfinder Talent Search Examination (The Telegraph, Career graph), 2011
- ❑ Obtained certificate of Aquatic Sports The Central Swimming Club, 2004

- ❑ Obtained certificate of District School Sports Association, North Calcutta, 2008
- ❑ Obtained certificate of Calcutta District Swimming Association, YMCA, Water polo, 2008
- ❑ Obtained certificate of Calcutta District Swimming Association, YMCA, Water polo, 2007
- ❑ Obtained certificate of AD-HOC COMMITTEE FOR GAMES &SPORTS, GOVT. OF WB, State school Games, 2008

DETAILS FOR ADDITIONAL TRAININGS:

- FACULTY DEVELOPMENT PROGRAM (FDP)- 22-06-2022 TO 30-06-2022 AT SWAMI VIVEKANANDA UNIVERSITY, BARRACKPORE.
- STEM CELL BIOLOGY AND ITS APPLICATION IN NEURODEGENERATIVE DISEASE-ALS- 25-08-2021 AT SWAMI VIVEKANANDA UNIVERSITY, BARRACKPORE.
- MEDICAL BIOTECHNOLOGY AND BIOINFORMATICS SYMPOSIUM ON DRUG-ON: A BATTLE TALE OF TWO CREATURES – MICROBES AND HUMAN- 29-02-2020 AT CENTRE FOR HEALTH SCIENCE AND TECHNOLOGY (CHEST) AND JIS INSTITUTE OF ADVANCED STUDIES AND RESEARCH (JISIASR), KOLKATA.
- NATIONAL SYMPOSIUM ON “CURRENT TRENDS IN EDUCATION IN PHYSIOLOGY & RESEARCH”- 20-01-2018 AT DEPARTMENT OF PHYSIOLOGY, UNIVERSITY OF CALCUTTA.
- 11TH EDITION OF THE ANNUAL GLOBAL HEALTHCARE SUMMIT- 28-12-2017 TO 30-12-2017 AT AMERICAN ASSOCIATION OF PHYSICIANS OF INDIAN ORIGIN (AAPI).
- NATIONAL SEMINAR ON SPORTS SCIENCE- 17-02-2017 TO 18-02-2017 AT RAMKRISHNA MISSION VIVEKANANDA UNIVERSITY (RKMVU), BELUR MATH, HOWRAH.

EXPERIENCE IN THE FIELD:

1. PG Teaching: M.SC. PSYCHOLOGY - HUMAN PHYSIOLOGY. (03 YEARS)
2. UG Teaching: BPT, BMLT & BMRIT - HUMAN PHYSIOLOGY, BIOCHEMISTRY, PHARMACOLOGY, MICROBIOLOGY, BASIC BIOTECHNOLOGY & FOOD FERMENTATION TECHNOLOGY, LABORATORY INSTRUMENTATIONS, BASIC HAEMATOLOGY. (04 YEARS)

CURRENT AREA OF TEACHING:

1. Basic Human Physiology
2. General Anatomy and Physiology

3. Biotechnology and Human Welfare
4. General Biochemistry
5. Bacteriology
6. Basic Immunology
7. Genetics and Molecular Biology

TITLE OF THE M.SC. PROJECT WORK:

“REGULATION OF BACTERIAL LIPOPOLYSACCHARIDE (LPS) INDUCED MACROPHAGE POLARIZATION VIA TUMOR NECROSIS FACTOR RECEPTOR 1 (TNFR1) BLOCKING.”

(P.I: Prof. Biswadev Bishayi, Department of Physiology, University of Calcutta)

RESEARCH INTEREST:

Basic Immunology, Macrophage response, Cellular receptor modulation, Infectious disease model, Anti-oxidant system, Animal behaviour, Plant based antibacterial substance activity.

EXTRA CURRICULAR ACTIVITIES:

Playing as a Central Defender from 2007 to 2012 for the Water polo team of The Central Swimming Club & player “Mayer’s Cup”. Worked as a part-timer professional Swimming Trainer at Central Swimming Club. Reading books, and listening music.

PUBLICATIONS:

1. **Manojit Bysack**, & Rajen Dey. (2024). Abrogation Of Gram Negative Bacteria Induced Inflammation. *Journal of Advanced Zoology*, 45(2), 1564–1573. <https://doi.org/10.53555/jaz.v45i2.4453>.
2. Subhrajyoti Paul, Sudipta Patra, Ayan Mondal, Gungun Sharma Adhikari, Piu Ghosh, **Manojit Bysack**, Rajen Dey. The role of microglia in Zika virus pathogenesis: Possible diagnostic and therapeutic strategies. *The Microbe*, Volume 5, December 2024. 100180, Elsevier. <https://doi.org/10.1016/j.microb.2024.100180>
3. Ayan Sengupta, Priyanshu Ganguly, Preeti Patra, Ankita Ballav, Banashree Ash, Shayani Das, Rajen Dey, **Manojit Bysack**. A Systematic Review On

Consequential Interventions Of Mucuna Pruriens In Male Infertility. Journal of Advanced Zoology, Vol. 45 No. 2 (2024). <https://doi.org/10.53555/jaz.v45i2.4455>

4. Anwasha Samanta, Rabishankar Taladhi, Papon Mondal, Sayed Golam Tanbir, Mijanur Rahaman, Saumadip Fadikar, **Manojit Bysack**. Review: Beneficial Effect Of Bark Extract Of Terminalia Arjuna On Human Heart. Journal of Advanced Zoology, Vol. 45 No. 2 (2024), <https://doi.org/10.53555/jaz.v45i2.4452>
5. **Manojit Bysack**, Ayan Sengupta, Banashree Ash, Preeti Patra, Ankita Ballav, Shayani Das, Priyanshu Ganguly. A Review: Suppressed Activity Of Respiratory System After Covid-19, Journal of Advanced Zoology, Vol. 45 No. 2 (2024), <https://doi.org/10.53555/jaz.v45i2.4456>
6. Subhrajyoti Paul, Sudipta Patra, Ayan Mondal, Gungun Sharma Adhikari, Piu Ghosh, **Manojit Bysack**, Rajen Dey. Pathogenesis And Consequences Of Zika Virus Infection. Journal of Advanced Zoology, Vol. 45 No. 2 (2024), <https://doi.org/10.53555/jaz.v45i2.4448>
7. Rajen Dey, **Manojit Bysack**. Ascorbic Acid: Therapeutic Implications In Neurodegenerative Diseases. Journal of Advanced Zoology, Vol. 45 No. 2 (2024), <https://doi.org/10.53555/jaz.v45i2.4450>
8. Arka Chatterjee, Rajen Dey, **Manojit Bysack**. Role of diet in type II diabetes mellitus: A comprehensive review. International Journal of Applied Research. Vol. 10, Issue 11, Part E (2024), <https://doi.org/10.22271/allresearch.2024.v10.i11e.12170>
9. Arka Chatterjee, Rajen Dey, **Manojit Bysack**. A thorough review of liver cirrhosis: Epidemiology, causes, etiology, pathophysiology, diagnosis, and treatment management. International Journal of Applied Research. Vol. 10, Issue 11, Part E (2024), <https://doi.org/10.22271/allresearch.2024.v10.i11e.12171>
10. Sibujana, Rajen Dey and **Manojit Bysack**. Evaluation of cardiovascular risks through the assessment of cholesterol level. International Journal of Biology Sciences. Vol. 6, Issue 2, Part C (2024), <https://dx.doi.org/10.33545/26649926.2024.v6.i2c.246>
11. Soumaditya Das, Rajen Dey and **Manojit Bysack**. Contribution of liver enzymes in diagnosing hepatic diseases: A review. International Journal of Biology Sciences. Vol. 6, Issue 2, Part C (2024), <https://dx.doi.org/10.33545/26649926.2024.v6.i2b.244>

BOOK CHAPTERS:

1. Anwasha Samanta and **Manojit Bysack**, A REVIEW ON PREVALENCE OF HEPATITIS C AMONG PREGNANT WOMEN, Archive of Human Health and

Wellbeing, AkiNik Publications, 2024; 1. 13-27. ISBN: 978-93-6135-299-7. DOI: <https://doi.org/10.22271/ed.book.2750>

2. Shayani Das and **Manojit Bysack**, DENGUE – PATHOGENESIS AND DIAGNOSTIC APPROACHES: A REVIEW, Archive of Human Health and Wellbeing, AkiNik Publications, 2024; 1. 29-38. ISBN: 978-93-6135-299-7. DOI: <https://doi.org/10.22271/ed.book.2750>

SEMINAR/CONFERENCE ATTENDED:

International

Manojit Bysack and Rajen Dey. Abrogation Of Gram Negative Bacteria Induced Inflammation, International Conference on GLOBAL HEALTHCON 2024, held on February at Swami Vivekananda University (Oral presentation).

WORKSHOP AND TRAINING PROGRAM:

Basics of Flow Cytometry (BD FACSVerserTM/ BD FACSAriaTMIII) organized by CRNN, University of Calcutta and BD biosciences on 12th March 2019.

MEMBERSHIP OF SCIENTIFIC ASSOCIATIONS/ SOCIETY:

Life member of Physiological Society of India (PSI)

REFERENCES:

- 1) Dr. Raghwendra Mishra
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West Bengal, India
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 - 2) Dr. Rajen Dey
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3) Dr. Sanjit Dey
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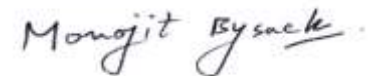
DECLARATION:

I hereby declared that the particulars furnished above are true, complete and correct to the best of my knowledge and believed.

Date: 07-02-2025

Place: Kolkata

Signature



(MANOJIT BYSACK)