

FACULTY PROFILE



1. Name: Dr. Madhumita Debnath.

- **Department:** Physiology
- **Designation:** Assistant Professor, Head of the Department.
- **E-mail:** nirupam.madhumita@gmail.com
- **Educational Qualification:** M.Sc., PhD
- **Specialization:** Microbiology and Immunology.
- **Teaching experience:** 22 Years
- **Research area:** Community & Public Health.
- **Research experience:** Seven years

1. Awarded doctoral degree in May. 2021 in the field of Community Health on the topic entitled 'Secular Trend in the Age at Menarche and its Determinants: A cross sectional comparative study from Rural and Urban communities in West Bengal'.
2. One UGC-sponsored Minor Research Project entitled 'Effect of splenectomy and thymectomy on testicular activities in mature and immature male albino rats' completed in 2009.

▪ **PUBLICATION IN JOURNALS:**

Sl. No.	Title of the Research paper	Name of the Journal with ISSN /ISBN	Publication month / year
1	Association of Age at Menarche with BMI: A Population Based Comparative Study on Bengali Women.	International Physiology, p-ISSN:2347-1506, e-ISSN: 2455-6262 Volume 3 (1), p 17-22	Jan-June, 2015
2.	Effects of splenectomy on Testicular activities in Immature male albino rats	Asian resonance p-ISSN: 0976-8602, e-ISSN: 2349-9443 Vol-IV (3) p30-33	July 2015
3	Study on femoral neck anteversion and its correlations in Bengali population	International Journal of Anatomy, Radiology and Surgery p- ISSN: 2277-8543, e-ISSN:2455-6874 Vol-5(1)p-1-5	Jan 2016
4	Pre-Menarcheal Knowledge and Some Socio-Behavioral Variables: A Community Based Comparative Study on Bengali Women.	IOSR Journal of Dental & Medical Sciences (IOSR-JDMS) p-ISSN: 2279-0861, e-ISSN: 2279-0853 Volume 16(1), p 26-31	Jan 2017
5	A comparative study of gender difference in palatal rugae patterns among Bengali subjects in Murshidabad.	International Journal of Anatomy, Radiology and Surgery p- ISSN: 2277-8543, e-ISSN:2455-6874 volume -8(1): A006-A010	Jan 2019

▪ **PAPER PRESENTED IN SEMINAR /CONFERENCES/INVITED LECTURES:**

Sl. No	Title and Topic of paper presented	Name of Conference/ Seminar	Month & Year
1	Adolescent BMI predicts Age at menarche in Bengali Girls: A population-based study.	UGC sponsored National Seminar on Current Trends of Research in Human	Mar 2015

		Physiology & Community Health	
2	Neuro cognitive basis of autism (Invited Lecture)	Annual seminar, AJC Bose College IQAC	Sep 2015
3	Pre-menarcheal knowledge and menstrual hygiene: A rural urban comparative study on Bengali women.	FIPS PHYSICON 2015 Annual Conference of The Physiological Society of India	Dec 2015
4	J C Bose's Scientific pursuits: A sesquicentennial tribute to Sister Nivedita for being a facilitator	National Symposium on Contributions of Women in Science In India	Feb 2018
5	Total and regional body fat distribution: A study on adult Bengali females being trained in Bharatnatyam	National Seminar on Recent trends in Sports Science and yoga	Mar 2018
6	Estimation and evaluation of a model of multiple linear regression to predict the age at menarche in rural Bengali women.	PHYSICON 2018 Annual Conference of The Physiological Society of India	Nov 2018
7	Menstrual History and Status of Menstrual Hygiene in Bengali Women: A Community Based Comparative Report from Rural and Urban West Bengal.	PHYSICON-2019 Annual Conference of The Physiological Society of India	Nov 2019
8	An insight into the Trends of Childhood Nutritional Indicators in India: A descriptive analysis based on NFHS-4 & NFHS-5 Facts Sheets.	in XXXIst Annual Conference of The Physiological Society of India	18 th -20 th Nov, 2022.
9	NEP 2020: Making Education Gender Inclusive.	National Seminar On 'Higher Education in The New Millenium in The Perspective Of 'NEP 2020'.	23 rd May, 2023
10	Invited Lecture On 'Food Adulteration' organized by Department of Physiology, AJC Bose College in Association with IQAC	Annual seminar, AJC BOSE COLLEGE IQAC	24 th May, 2023.

WORKSHOP ATTENDED:

1	'e- work shop' on 'Data analysis with SPSS' by Commacad	12 th -13 th Nov, 2022
2	'e-workshop' on 'How to design a Questionnaire' by Commacad.	2 nd July, 2023
3	'e- workshop' on 'Systematic Literature Review' by Commacad.	15-16 th July, 2023

▪ REFRESHER COURSE/ ORIENTATION PROGRAM/SHORT-TERM COURSE ATTENDED:

- 1) Short Term Course (STC) on 'Research Methodology' organized by UGC-HRDC, North Bengal University, 17-23rd Dec, 2019.
- 2) Short Term Course (STC) on 'Gender studies' organized by UGC-HRDC, University of Calcutta, 14-20th Nov, 2018.

- 3) UGC sponsored Refresher course in 'Life Science' organized by Academic Staff College, Calcutta University, November22- December13, 2013.
- 4) UGC sponsored Orientation Programme organized by Academic Staff College, Calcutta University, July 18-August 14, 2007.
- 5) UGC sponsored Refresher course in 'Community Health & Nutrition' organized by Vidyasagar University, August20 –September12, 2003.

Additional Responsibility:

1. Appointed as 'Nodal Officer', MHRD, Dr Kanailal Bhattacharyya College.
2. Member, IQAC, Dr K L Bhattacharyya College
3. Ex-Member and Teacher Representative (TR), Governing Body, Dr K L Bhattacharyya College
4. Ex-Member, Finance Committee, Dr K L Bhattacharyya College.
5. Member, Academic Sub-Committee, Dr K L Bhattacharyya College.
6. Member, Administrative Audit Committee, Dr K L Bhattacharyya College.
7. Member, Routine Committee, Dr K L Bhattacharyya College.
8. Member, NSS Sub-Committee, Dr K L Bhattacharyya College.
9. Member, Website Design Committee, Dr K L Bhattacharyya College.
10. Member, Prospectus committee
11. Member, Newsletter committee.

▪ **SEMINAR/WEBINAR ATTENDED:**

Sl. No	Name of Conference/Seminar/Webinar	Date
1	Workshop on Bioinformatics and its application. Indian Institute of Technology, KGP.	March 11-12, 2000
2	UGC and DRDO sponsored National seminar of 'Physiological Society of India'	Dec-16, 2004.
3	ICMR, DRDO and UGC sponsored National seminar on 'Bio-Medical Laboratory Science'	Dec-17-19, 2005
4	N.M. Basu Memorial National Seminar on 'Insights in Cardiac Problems and its Management'	Feb11, 2009.
5	UGC sponsored International Seminar on 'Diabetes'	Dec-16-17, 2010.
6	UGC sponsored National Seminar on 'Exploration of Biological Processes through Chemical Sciences.	Dec07-08, 2011.
7	UGC sponsored National Seminar on 'Women empowerment: commemorating 100 years of International women's Day',	Feb 24-25, 2011.
8	UGC sponsored National Seminar on 'Biodiversity: Land use and its development,	July 16-17, 2011
9	UGC sponsored International Seminar on 'Education of People with Special Needs' organized by Jadavpur University,	March 4-5, 2014.
10	UGC sponsored National Seminar on 'Sustainability of Environment and prevention cum management of disaster with special reference to India.' Dr KL Bhattacharyya College, Howrah.	July, 2016
11	State level Seminar on 'Prevention and Treatment of nutritional deficiency disorders'. Department of Food and Nutrition, Behala College.	Mar, 2017
12	Webinar series on 'Ride the tide of Covid with a ray of hope: 01/ Overview of the disease and general safety measures' Surendranath College, Kolkata	15 th June, 2020

13	National Webinar on 'restoration of mental health and hygiene in the covid-19 affected health'. Krishnanath College, Berhampore	05 th June, 2020
14	International webinar on Covid-19: Impact, preventive measures and best practices. Bhairab Ganguly College	21-22 June, 2020
15	National webinar on 'Mind, body, exercise and Lifestyle management in changing environment' . Midnapore College	21 st June, 2020
16	International Webinar on 'Corona Pandemic-Searching hope and responsibilities' Asansol Girl's College	20 th June, 2020
17	International Webinar on 'Food and lifestyle changes: East to West preventive measures in Covid-19 crisis'. Govt. General Degree College, Kharagpur-II	29 th June, 2020
18	National webinar on 'Covid-19 pandemic: Challenges and reorientation of teaching learning and Evaluation procedure in higher education'. Vivekananda College for women	25 th June, 2020
19.	International Webinar on 'Contemporary Issues and challenges of covid-19'. Ramananda College	28 th June, 2020
20	International webinar on 'Current trends in research in Biological Science: Cell to System'. Acharya Brajendra Nath Seal College, Cooch Bihar.	30 th June, 2021
21	National webinar on 'Immuno-physiology of SARS-CoV2 infection: an Overview.	24 th July, 2021
22	IP awareness Training Program under National Intellectual Property awareness Mission, Govt. of India.	7 th April, 2022
23	International webinar on women Scientist in Biology and Medicine.	4 th June, 2022
24	International webinar on 'From molecule system. Understanding innate immunity', Suri Vidyasagar college. Suri.	26 th June, 2022
25	State level conference on CBCS. A new dimension to Higher education.	12 th August, 2022
26	International webinar on 'Translational Physiology', West Bengal State University.	17 th Dec, 2022
27	National webinar on 'Periodization of Sports'. Manipal College of Health Profession.	14 th Jan, 2023