

HADIDA YASMIN

Date of Birth- 10th December, 1977

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<https://www.researchgate.net/profile/Hadida-Yasmin>



PRESENT STATUS

Associate Professor – Innate Immunity Lab, Institute of Health Sciences, Presidency University (2nd Campus), Newtown, Kolkata

In Lien-Associate Professor- Dept. of Zoology, Cooch Behar Panchanan Barma University, Cooch Behar

EDUCATION

Ph.D. – University of North Bengal, *Thesis title*- Analysis of the Effects of *Curcuma longa* Linn on Lymphocytes and Malignant cells in Murine Model for Immunotherapy- Awarded 2007

Masters of Science - Zoology (Specialization in Immunology & Cell Biology) -2001, University of North Bengal (NBU), WB

Bachelors of Science - Zoology (Honours.)- 1998, Malda College, NBU, WB

Honours Diploma - Network- Centered Computing - (1999), Academic Council of NIIT, Malda study centre, WB

Work experience (in chronological order)

Sl. No.	Positions held	Name of the Institute	From	To
1	Lecturer (Microbiology) Full time contractual	Siliguri College, Siliguri, WB	2004	2005
2	Senior Research Fellow (Funded by ICMR, New Delhi)	University of North Bengal, WB	2005	2008
3	Research Associate (Funded by FERN, UK)	North Eastern Society for Preservation of Wild Life and Nature (NESPON), WB	2008	2010

3	Assistant Professor (Zoology) & Head	North Bengal St. Xavier's College, Rajganj, WB	2010	2016
4	Vice Principal & Assistant Professor in (Zoology)	North Bengal St. Xavier's College, Rajganj, WB	2012	2016
4	Assistant Professor (Zoology)	Cooch Behar Panchanan Barma University, Cooch Behar, WB	2016	2019
5	Associate Professor (Zoology) Head (2019-2021 and 2023-2024)	Cooch Behar Panchanan Barma University	2019	Still continuing

Professional Recognition/ Award/ Prize/ Certificate, Fellowship received

Sl. No.	Name of Award	Awarding Agency	Year
1	Shiksha Ratna	Govt. of West Bengal	2023
1	Teacher Associateship Research Award (TARE)	DST-SERB, Govt. of India	2022-2025
2	Visiting Scientist	Dept. of Life Sciences, Trieste University, Italy	1 st Sep. 2022 to 30 th Oct. 2022
3	INSA-Visiting Scientist Award	Indian National Science Academy (INSA), New Delhi. Visiting Lab- Dept. of Transplant Immunology & Immunogenetics, AIIMS, New Delhi	2019 to 2020
4	Fulbright-Nehru International Education Administrator 2016-17	United States-India Educational Foundation, USA	October 15 th to 29 th , 2016
5	Travel Scholarship	Seattle University, USA	7 th to 9 th August, 2014
6	Senior Research Fellow (SRF)	Indian Council of Medical Research (ICMR, New Delhi)	2005 to 2008
7	Young Scientist Award First Position (Oral Presentation)	National Symposium – “Assessment and Management of Bioresources” Zoology Society, Kolkata	May 29, 2003

8	Young Scientist Award – First Position (Poster Presentation)	National Seminar – “Recent Advances in Stress Physiology, Toxicology and Immunology”. Dept. of Biochemistry and Biophysics, University of Kalyani.	28th Nov. 2003
9	Young Scientist Award - (Poster Presentation)	5th Sass International Conference on “Emerging Concepts in Leukemia and Lymphoma”, AIIMS	25th Dec, 2003

PRESENT FIELD OF INTEREST: Cancer Immunotherapy and Reproductive Immunology

RESEARCH PROJECTS SANCTIONED

1. *Project entitled-* Contributing to a reflective approach towards climate change and sustainability strategies in India- funded by **Rosa Luxemburg Stiftung, South Asia**, October 2011-July 2012 (**Completed**) **2175 EUR**
2. *Project entitled-* Efficacy of Bioactive compounds isolated from the medicinal plants used by Rajbansi Community of Cooch Behar for immunotherapeutic approaches- funded by **Higher Education, Science & Technology and Biotechnology, Govt. of West Bengal** –No.296/ST/P/S&T/1G-66/2017 – **Rs. 1999610/- (Completed)- Principal Investigator-** Dr. Hadida Yasmin
3. *Project entitled-* Analysis of immunostimulatory and anti-cancer properties of ethnomedicinal plants of North Bengal for immunotherapeutic approaches to treat malignancy- funded by **Indian National Science Academy, Govt. of India** (INSA Visiting Scientist Program for 2 months) at AIIMS, New Delhi- (INSA/SP/VSP-23/2019-20/1753). (**Completed**)
4. *Project entitled-* To understand the role of complement activators and regulators in adverse pregnancies- Funded by **Lady Tata Memorial Trust, Mumbai** – No.3209/2021-Junior Research Scholarship and Contingency for 5 years-**Rs. 2354400/- (Ongoing)** -01.08.2021- **Principal Investigator-** Dr. Hadida Yasmin
5. *Project entitled* -Investigating the role of Factor-H, a complement inhibitor, at the feto-maternal interface of women with Early and Late Onset Preeclampsia" – Funded by **DST-SERB Teachers Associateship for Research Excellence (TARE), Govt. of India**. File Number: TAR/2022/000626- **Rs. 1680000/- (Ongoing)**- 29.12.2022- **Principal Investigator-** Dr. Hadida Yasmin
6. *Project entitled,* “Exploring the role of complement properdin as a potent inflammatory modulator in the pathogenesis of preeclampsia in in vitro and in vivo models”. Funded by Dept. of Science and Technology and Biotechnology (WB-DSTBT), Govt. of West Bengal. Memo No.1474 (Sanc.)/STBT-13015/13/2025-WBSCST SEC, Dt. 29/03/2025. **Principal Investigator:** Dr. Hadida Yasmin & **Co-Investigator:** Dr. Taruna Madan, Scientist G and Head, Division of Development Research, ICMR Headquarters, New Delhi-110029. **Rs. 1010504/- (Ongoing)**

REGISTERED PhD SCHOLARS: 5

- **Torisa Roy** Degree awarded (PI)
- **Priyanka Sharma** Thesis pre-submission viva successfully defended. (PI)
- **Tamali Roy** Thesis pre-submission viva successfully defended. (PI)
- **Karabi Roy Pramanik** PhD ongoing (PI)
- **Uttam Barman** PhD ongoing (Co-PI)

RESEARCH PUBLICATIONS

Journals (*Corresponding author)

1. Chakravarty A.K*, **Yasmin H.** and Das SK. (2004): Two way efficacy of alcoholic turmeric extract: Stimulatory for Murine Lymphocytes and inhibitory for Ascitic Fibrosarcoma, *Pharmaceutical Biology*, 42 (3): 217-224. <https://doi.org/10.1080/13880200490514087> [ISSN: 1388-0209; Impact Factor-4.8]
2. Chakravarty A.K*, and **Yasmin H.** (2005): Alcoholic Turmeric Extract Simultaneously Activating Murine Lymphocytes and Inducing Apoptosis of Ehrlich's Carcinoma Cells. *International Immunopharmacology*, 5: 1574-1581. doi: 10.1016/j.intimp.2004.11.019. [ISSN: 1567-5769, Impact Factor- 4.56]
3. Chakravarty A.K*, and **Yasmin H.** (2008): Activation of Cell Mediated Immune Response and apoptosis towards malignant cells with turmeric treatment in Murine Model. *Indian Journal of Biochemistry and Biophysics*. 45: 23-29. [ISSN: 0301-1208, Impact Factor-1.98]
4. Chakravarty A.K*, and **Yasmin H.** (2008): Free Radical Scavenging and Nitric Oxide Synthase Activation in Murine Lymphocytes and Ehrlich Ascitic Carcinoma Cells treated with Ethanolic Extract of Turmeric. *Proceedings of National Academy of Sciences. India. Sect B*, 78 (1): 37-44. [ISSN: 0369-8211; Impact Factor-1.20]
5. Chakravarty A.K*, **Yasmin H.**, Chatterjee SN and Mazumder T and (2009): Comparison of Efficacy of Turmeric and Curcumin in Immunological Functions and Gene Expression. *International Journal of Pharmacology*. 5(6):333-345 <https://doi.org/10.3923/ijp.2009.333.345> [ISSN: 1811-7775; Impact Factor-0.81]
6. Varghese PM, Anthony G. Tsolaki, **Yasmin H.**, Abhishek Shastri ,Janez Ferluga , Manu Vatish , Taruna Madan , Uday Kishore*. 2020. Host-pathogen interaction in COVID-19: Pathogenesis, potential therapeutics and vaccination strategies. *Immunobiology*. [225\(6\)](https://doi.org/10.1016/j.imbio.2020.152008). 152008. doi.org/10.1016/j.imbio.2020.152008 [Impact Factor-3.16]
7. Syreeta DeCordova, Abhishek Shastri , Anthony G. Tsolaki, **Yasmin H.**, Lukas Klein, Shiv K. Singh, Uday Kishore*. 2020. Molecular Heterogeneity and Immunosuppressive Microenvironment in Glioblastoma. *Front. Immunol*. 11: 1402. doi: 10.3389/fimmu.2020.01402 [Impact Factor-5.9]
8. Janez Ferluga J, **Yasmin H.**, Al-Ahdal MN, Bhakta S, Kishore U*. (2020) Natural and Trained Innate Immunity against *Mycobacterium tuberculosis*. *Immunobiology*. 225(3):151951. doi.org/10.1016/j.imbio.2020.151951[Impact Factor-3.650]
9. **Yasmin, H.**; Adhikary, A.; Al-Ahdal, M.N.; Roy, S.; Kishore, U*. Host-Pathogen Interaction in Leishmaniasis: Immune Response and Vaccination Strategies. *Immuno* 2022, 2, 218–254. <https://doi.org/10.3390/immuno2010015> [Impact Factor-2.5]
10. Banerjee S, Kar P, Islam R, Naidoo D, Roy A, Sarkar I, Sen G, Saha T, **Yasmin H.**, Sen A*. Synthesis of silver nanoparticles from secondary metabolites of star gooseberry fruit (*Phyllanthus acidus*) and their nephroprotective efficiency. *South African Journal of Botany*. 2022. 151(A):385-395. <https://doi.org/10.1016/j.sajb.2022.10.021>. [Impact Factor-3.02]
11. Agostinis C, Toffoli M, Balduit A, Mangogna A, **Yasmin H.**, Ragazzon C, Pegoraro S, Campisciano G, Stabile G, Zito G, Kishore U, Comar M, Scrimin F, Bulla R, Ricci G. Anti-Spike Antibodies Present in the Milk of SARS-CoV-2 Vaccinated Mothers Are Complement-Activating. *Int J Mol Sci*. 2023. 23;24(5):4395. doi: 10.3390/ijms24054395 [Impact Factor-6.208]
12. **Yasmin H.**, Chiara Agostinis, Miriam Toffoli, Tamali Roy, Silvia Pegoraro, Andrea Balduit, Gabriella Zito, Nicoletta Di Simone, Giuseppe Ricci, Taruna Madan, Uday Kishore*, Roberta Bulla*. Protective role of complement factor H against the development of preeclampsia. *Frontiers in Immunology*. 2024. 15:1351898. doi: 10.3389/fimmu.2024.1351898. [Impact Factor-5.9]
13. Roy T, Mazumder T, Sharma P, Roy T, Nag TC. Bindu S, Dasgupta SC. **Yasmin H*** Anti-inflammatory Property of Ethanolic Extract of *Cleome spinosa* Leaves in an In Vivo Model of Delayed-type

- Hypersensitivity. *Journal of Pharmacology and Pharmacotherapeutics*. 2024;15(3):306-315. doi:[10.1177/0976500X241253645](https://doi.org/10.1177/0976500X241253645) [Impact Factor-0.8]
14. Ramesh RPG, **Yasmin H**, Ponnachan P, Al-Ramadi B, Kishore U, Joseph AM. Phenotypic heterogeneity and tumor immune microenvironment directed therapeutic strategies in pancreatic ductal adenocarcinoma. *Front Immunol*. 2025 31;16:1573522. doi: 10.3389/fimmu.2025.1573522 [Impact Factor-5.7]
 15. **Yasmin H**, Ramesh RPG, Joseph AM, Kishore U*. Fibroblast heterogeneity and its role in generating protective immunity in the secondary lymphoid organs. *Front Immunol*. 2025 3;16:1519789. doi: 10.3389/fimmu.2025.1519789 [Impact Factor-5.9]
 16. Bindu S, **Yasmin H**, Barman U, Pandit S, Masmoudi K and Kishore U* (2025) Immunobiology of pulmonary fibrosis. *Front. Immunol*. 16:1708716. doi: 10.3389/fimmu.2025.1708716 [Impact Factor-5.9]
 17. **Yasmin H**, Roy T, Agostinis C, Rao A, Sharma P, Toffoli M, Balduit A, Pegoraro, Bindu S, Prasad R, Ricci G, Vatish M, Madan T, Bulla R, Kishore U*. Expression of Properdin, the positive regulator of the complement alternative pathway, at the fetomaternal interface in preeclampsia. *Frontiers in Immunology*. 2025. 16:1739327. doi: 10.3389/fimmu.2025.1739327 [Impact Factor-5.9]
 18. Roy T, Das A, Chatterjee N, Saha SS, Prasad R, Madan T, **Yasmin H*** and **Kishore U***. Differential expression of complement Properdin and Factor H in the placenta and umbilical cords of mothers with Preeclampsia, Gestational Diabetes Mellitus and Recurrent Pregnancy Loss. *Frontiers in Immunology*. 2025. 16:1731251. doi: 10.3389/fimmu.2025.1731251 [Impact Factor-5.9]

Book chapters

1. **Yasmin H**. and Chakravarty AK (2011): Turmeric accentuates cell mediated cytotoxicity towards tumor target cells in *Recent Studies in Biodiversity and Traditional Knowledge in India*. Gaur Mahavidyalaya, *Sarat Book*, India. 271-278. [ISBN-978-81-9203-86]
2. **Yasmin H**.(2015): Isolation of CD4⁺ T cells through Magnetic Assorted Cell Sorter (MACS) in *Contemporary Laboratory and Experiments in Zoology*. APCR Govt. College, *Pages and Chapters*, India. 173-174.[ISBN-978-81-8211-128-8].
3. Ferluga J. **Yasmin H.**, Bhakta. S., Kishore U. 2021. Vaccination Strategies against Mycobacterium tuberculosis: BCG and Beyond, In *Microbial pathogenesis. Advances in Experimental Medicine and Biology* vol. 1313. Springer https://doi.org/10.1007/978-3-030-67452-6_10 [Impact Factor-3.650]
4. Murugaiah V, **Yasmin H**, Pandit H, Ganguly K, Subedi R, Al-Mozaini M, Madan T, Kishore U. Innate Immune Response Against HIV-1. *Adv Exp Med Biol*. Springer Nature. 2021;1313:23-58. doi: 10.1007/978-3-030-67452-6_3. PMID: 34661890. (#VM and HY are joint first authors)
5. Pramanik K R., Pandey R., Roy T., Saha S., **Yasmin H***. A study on Community Based Conservation Status of *Nilssonina nigricans* (Anderson 1875) in Cooch Behar, West Bengal, India.2021. *Multidimensional outlook on Environment*. Green Feather 26-34. ISSN- 978-81-948349-0-8
6. **Yasmin H*** and Kishore U. 2020. Biological activities of SP-A and SP-D against extracellular and intracellular pathogens. In *The collectin protein family and its multiple biological activities*. Springer Nature, http://doi.org/10.1007/978-3-030-67048-1_5.
7. **Yasmin H***, Saha S, Butt MT, Modi RK, George AJT, Kishore U. SARS-CoV-2: Pathogenic Mechanisms and Host Immune Response. *Adv Exp Med Biol*. Springer Nature .2021;1313:99-134. doi: 10.1007/978-3-030-67452-6_6. PMID: 34661893.
8. **Yasmin H**, Varghese PM, Bhakta S, Kishore U. Pathogenesis and Host Immune Response in Leprosy. *Adv Exp Med Biol*. Springer Nature. 2021;1313:155-177. doi: 10.1007/978-3-030-67452-6_8. PMID: 34661895.
9. Ferluga J, Singh I, Rout S, Al-Qahtani A, **Yasmin H**, Kishore U. Immune Responses in Malaria and Vaccine Strategies. *Adv Exp Med Biol*. Springer Nature. 2021;1313:273-291. doi: 10.1007/978-3-030-67452-6_12.

10. **Yasmin H**, Bulla Roberta, Madan Taruna, Kishore U. Complement and Cancer Immunity. Handbook of Cancer and Immunology. 2022. In: Rezaei, N. (eds) Handbook of Cancer and Immunology. Springer, Cham. https://doi.org/10.1007/978-3-030-80962-1_22-1
11. Ovuru, K.F., Izah, S.C., **Yasmin, H.**, Enerijiofi, K.E., Das, M., Ogwu, M.C. (2023). Microbial Contaminants of Herbal Remedies: Health Risks and Sustainable Quality Control Strategies. In: Izah, S.C., Ogwu, M.C., Akram, M. (eds) Herbal Medicine Phytochemistry. Reference Series in Phytochemistry. Springer, Cham. https://doi.org/10.1007/978-3-031-21973-3_9-1
12. Roy Torisa, Mazumder T, Nag T, Kalita J, **Yasmin H***. 2023. Efficacy of Ethnoherbal Medicines With Anti-inflammatory and Wound Healing Potentiality: A Case of West Bengal, India, In: Izah, S.C., Ogwu, M.C., Akram, M. (eds) Herbal Medicine Phytochemistry. Reference Series in Phytochemistry. Springer, Cham. ISBN-978-3-031-21973-3. https://doi.org/10.1007/978-3-031-21973-3_62-1
13. Sharma, P., Dasgupta, S.C., **Yasmin, H***. Antioxidant and wound healing property of White tea (*Camellia sinensis*) extract compared to Black and Green tea on in vitro model. *Proc. Int. CCPBC*, Department of Zoology, Gauhati University.43-53 (2024). ISBN 978-93-5860-793-2
14. Shastri A, **Yasmin H**, Kishore U. Innate Immune Mechanisms in the Central Nervous System. *Adv Exp Med Biol*. 2025;1476:381-409. doi: 10.1007/978-3-031-85340-1_15. PMID: 40622551.
15. Madhukaran SP, **Yasmin H**, Kishore U. Innate Immune Mechanisms in Normal and Adverse Pregnancy. *Adv Exp Med Biol*. 2025;1476:339-379. doi: 10.1007/978-3-031-85340-1_14. PMID: 40622550.
16. **Yasmin H**, Datta P, Deb A, Willingham AL, Kishore U. Innate Immune Response to Helminth Infections. *Adv Exp Med Biol*. 2025;1476:251-273. doi: 10.1007/978-3-031-85340-1_10. PMID: 40622546.
17. Joseph AM, **Yasmin H**, Kishore U. Innate Lymphoid Cells. *Adv Exp Med Biol*. 2025;1476:31-46. doi: 10.1007/978-3-031-85340-1_2. PMID: 40622538.

Book authored:

Dutta S, Ghosh S, Gopalakrishnan, Bijoy CR, **Yasmin H**. Climate change and India. Analysis of political economy and impact. 2013. Rosa Luxemburg Stiftung—South Asia and Daanish Books, India ISBN: 978-93-81144-32-9 (Pb)

Conference Abstract publications:

Yasmin H, Chakravarty. P20. Evaluation of Pharmaceutical potency of ethanolic turmeric extract. *Indian Journal of Medical & Pediatric Oncology*. 2023. Vol.24/3. pp-50 (5th SAAS International Conference, 13-16 Dec, AIIMS, New Delhi)

Yasmin H, Chiara Agostinis, Miriam Toffoli, Tamali Roy, Silvia Pegoraro, Andrea Balduit, Giuseppe Ricci, Taruna Madan, Uday Kishore, Roberta Bulla. 50 Protective role of complement factor H against the development of preeclampsia. *Immunobiology*. 2023. 228(5).152504. <https://doi.org/10.1016/j.imbio.2023.152504>. (31st Aug-5th Sep, 2023, 29th International Complement Workshop, Newcastle, UK)

PAPER PRESENTATIONS

1. Efficacy of Ethanolic extract of *Curcuma longa* Linn. on lymphocyte proliferation and tumor cell growth - May 29, **2003** National Symposium on “Assessment and Management of Bioresources- Dept. of Zoology, NBU & Zoology Society, Kolkata.
2. Lipid peroxidation and nitric oxide production in murine lymphocytes and Ehrlich ascitic carcinoma cells treated with ethanolic turmeric extract- 24th Nov. **2003**, 30th Annual Conference of Indian Immunology Society, New Delhi.
3. Effect of turmeric extract on free radical generation and cell physiology as revealed by cellular morphology of murine lymphocytes and Ehrlich ascitic carcinoma cells under SEM- 28th Nov. **2003** National Seminar on “Recent Advances in Stress Physiology, Toxicology and Immunology, - Dept. of Biochemistry and Biophysics, Univ. of Kalyani.

4. Evaluation of Pharmaceutical potency of Ethanolic Turmeric Extract- 15th Dec, **2003**, 5th Sess International Conference on “Emerging Concepts in Leukemia and Lymphoma”, AIIMS, New Delhi.
5. Turmeric Mediated Activation of Lymphocytes and Induction of Apoptosis of Tumor cells- 9th-12th Feb, **2005**. 24th Annual Convention of IACR & International Symposium on “HPV and Cervical Cancer”, ICPO (ICMR), New Delhi.
6. Turmeric induced cell mediated cytotoxicity towards Ehrlich Ascitic Carcinoma Cells and involvement of L-arginine derived nitric oxide synthase activity. 24th -27th Nov, 2005. 32nd Indian Immunology Society Conference, PGIMER, Chandigarh
7. Efficacy of ethanolic turmeric extract in immunostimulation and apoptosis of malignant cells in murine model- 28th – 31st Jan **2007**, 33rd Indian Immunology Society Conference, AIIMS, New Delhi.
8. Differential activity of ethanolic turmeric extract, its two isolated fractions and commercial curcumin in immunoactivation- 1-3rd Dec, **2008** National Symposium on “Dimensions of research applications in animal sciences” - Dept. of Zoology, NBU.
9. Intellectual property rights and biodiversity: Indian Perspectives- 4-5 Feb, **2011**, National Seminar on “ The exploration, protection and conservation of biodiversity and traditional knowledge”- Dept. of Botany, Gour Mahavidyalaya, Malda, WB
10. Serving the Community- Community College Section of NBXC, March 3-4, **2014**, International Conference on “Strengthening Community Engagement in Higher Education Institutions”- organized by NBU, PRIA and British Council, 3-4 March, 2014 at University of North Bengal, WB.
11. Climate Change leading to Agrarian Crisis- October 3-4, **2015**, National Seminar on “Advances in Biology: Eastern Himalayan Perspective”, Kalimpong College, Kalimpong, Darjeeling.WB.
12. Butterfly Fauna of North Bengal St. Xavier’s College, Rajganj, Jalpaiguri - December 11-12, **2015**, National Conference on “National Resources, Biodiversity and Sustainable Development”, Dept. of Zoology, University of North Bengal. WB
13. Importance of Academic Culture for Enhancement of Quality in Higher Education- June 25- 27, **2016**, National Seminar on Achieving Quality in Higher Education : Constraints, Complexities & Challenges, St. Joseph’s College, Darjeeling, WB.
14. Ethnomedicinal properties of ethanolic extract of Cleome spinose leaves in inhibiting delayed type hypersensitivity response and wound healing in murine model. International Ayush conference and exhibition. 13-15 Jan, **2024**. At Dubai World Trade centre.

INVITED LECTURES/TALKS DELIVERED

1. Critical Perspective of CDM in India -International workshop on Clean Development mechanism(CDM) for NGO’s, Activist and Citizens- 16th Nov, 2009- at India International Centre, New Delhi, INDIA- organized by CDM watch, Koblenzer Straße 65 . 53173 Bonn, Germany
2. Can CDM projects lead to sustainable development in India?- case studies from various sectors. Conference on “Just sustainability: Hope for commons” 7-9th August, 2014 organised by Centre for Environmental Justice and Sustainability, Seattle University, USA.
3. Impact of climate change on Agriculture in a Green Revolution Scenario: A special reference to West Bengal- National Seminar on “Challenges in Agriculture, Environment and Rural Development in West Bengal since Independence” -15-16 March, 2013 - organized by UGC-SAP (DRS-I) Department of Economics & Politics, University of Visva-Bharati, Santiniketan, WB
4. Extension activities of Cooch Behar Panchanan Barma University. Two day workshop on Extension activities of the Universities. 7-8 March, 2018.-organized by University of North Bengal and CBPBU.

5. North Bengal, its biodiversity and conservation. International webinar on Climate change, biodiversity and conservation in northern West Bengal. 27th August, 2021, organised by Birsa Munda College, West Bengal.
6. Challenges and opportunities of COVID-19 vaccine. International web-based conference on Emerging issues of the new SARS COV-2 variant omicron and its impact on society, economy and culture". -28th Feb-1st March, 2022.-organised by Alipurduar University.
7. Immunoinformatics and Vaccine development: special reference to SARS CoV-2. 15th National Seminar cum workshop on "Genomics and Bioinformatics in the High-throughput era on 26th March, 2022- organized by Bioinformatics facility Centre, University of North Bengal
8. Expression of complement Factor H during pregnancy and its protective role against the development of preeclampsia. Golden Jubilee Conference of the Indian Immunology Society. IMMUNOCON 2023. 5th -8th October, 2023. AIIMS, New Delhi

WORKSHOPS/CERTIFICATE COURSES/TRAINING PROGRAMMES COMPLETED

1. Workshop on "**Scanning Electron Microscopy**" – 9th -12th December 2001. University Science Instrumentation Centre at University of Burdwan, West Bengal.
2. 12th Training course on **Immunodiagnostic for Infectious Diseases** – 6th - 11th February, 2006, Mahatma Gandhi Institute of Medical Sciences, Sevagram, Warda, Maharastra.
3. Workshop on "**Bioinformatics**" - 7th - 9th March, 2008. Bioinformatics Facility, Dept. of Botany, University of North Bengal, WB
4. **Continued Education Program for Teaching Staff**- 1st - 31st March, 2011. NB St. Xavier's College, Rajganj, WB.
5. UGC-Sponsored "**Teacher's Orientation Program**", 1st - 28th March 2013 Academic Staff College, University of North Bengal. WB, (Score-Grade A)
6. Workshop on "**Writing Successful Projects**"- 22nd - 24th July 2013. All Indian Association for Christian Higher Education (AIACHE), New Delhi.
7. "**31st Community College Teachers Training Programme**"- 4th - 9th November, 2013. Indian Centre for Research and Development of Community Education (ICRDCE), Chennai.
8. **Inter-Institutional Faculty Exchange Programme (IIFEP)**- 17th - 25th November, 2014, All Indian Association for Christian Higher Education (AIACHE), New Delhi
9. **Faculty Development Program (FDP)**- 11th – 12th September, 2015, Sikkim and West Bengal Jesuit College Principals Association (SWBJCPA) at North Bengal St. Xavier's College.
10. Workshop on "**Human Values Development Programme (HVDP)**"- 18th November, 2015, St. Xavier's College, Kolkata in collaboration with AIACHE, New Delhi.
11. Higher Education sponsored Workshop on "**Contemporary Laboratory and Field Courses in Zoological Science**"- 22nd November - 1st December, 2015. Department of Zoology, APC Govt. College, Siliguri, WB.

12. West Bengal State Council of Higher Education sponsored Workshop on **“Orientation/ Awareness Programme on NAAC accreditation”** – 6th April, 2015, University of North Bengal, WB.
13. Hands on Training Workshop in **“Human Cell Culture Technology and its Application in Cancer Research”**- 12th Nov-22nd November, 2018, sponsored by DST (Kiran Division), organized by Dept.of Biotechnology, Universtity of Mysore.
14. One-week National *e*-Workshop on **Innovation and Intellectual Property Rights (NeW IPR-2021)** from June 14-19, 2021 Theme *“IP for ALL”*, organized by Innovation & Technology Enabling Center (InTEC) CSIR-Institute of Minerals and Materials Technology (IMMT), Bubneshwar.
15. Online workshop on **Publication Ethics and Research Integrity in Science** conducted by Elsevier- 11th May, 2022
16. Online Certificate Program on **COVID-19 and Work** from World Health Organization (WHO)-2022
17. . **“Workshop on Good Clinical Practice & Basic Biomedical Ethics”** organized by Indian Society of Rational Pharmacotherapeutics and M.J.N. Medical College, Cooch Behar, West Bengal, India- 12th August 2022.

MEMBERSHIPS:

1. Life member of Indian Immunology Society – No. LM/IIS/806/07/19
2. Life member of Indian Science Congress –No. L38739
3. Life member of Chemical Biology Society- No. LM-50
4. Member of All India Association for Christian Higher Education (AIACHE)

ADDITIONAL RESEARCH RELATED RESPONSIBILITIES:

- Editorial Board Member as Review Editor of Molecular Innate Immunity (Special section) of Frontiers in Immunology Journal
- Editor of Special Issue “Pattern Recognition Receptors: Innate Immunity and Beyond” in International Journal of Molecular Sciences, MDPI
- Editor of Special Issue, Innate and Adaptive Immunity of Normal and Adverse Pregnancy (Special section), of Molecular Innate Immunity of Frontiers in Immunology Journal.
- Editor- “Pranic”- Departmental Newsletter, Dept. of Zoology, CBPBU
- Chairperson, Institutional Biosafety Committee (IBSC), Cooch Behar Panchanan Barma University
- Chairperson, Institutional Ethics Committee (IEC) for Biomedical Research, MJN Medical College and Hospital
- Member Secretary, Institutional Ethics Committee (IEC), Cooch Behar Panchanan Barma University
- Former Member Secretary, Institutional Animal Ethics Committee (IAEC), Cooch Behar Panchanan Barma University
- Academic Liaison Officer for MoU with CSIR-Central Drug Research Institute, Lucknow & CBPBU

Research Collaborators

1. Prof. Uday Kishore, Department of Veterinary Medicine (CAVM) and Zayed Centre for Health Sciences, United Arab Emirates University, Al Ain, U.A.E
2. Dr. Taruna Madan Gupta, Scientist Scientist F and Head, Department of Innate Immunity, ICMR-National Institute for Research in Reproductive and Child Health (ICMR-NIRRH), J.M.Street, Parel, Mumbai-12.
3. Dr. Roberta Bulla, Professor, Dept. of Life Sciences, University of Trieste, Trieste, Italy
4. Dr. Arnab Sen, Professor, Head, Dept. of Botany, University of North Bengal, Dist-Darjeeling, WB

5. Dr. Samik Bindu, Assistant Professor, Dept. of Zoology, Cooch Behar Panchanan Barma University

ADDITIONAL TEACHING RESPONSIBILITIES:

1. Delivered PhD/MPhil course work class at Dept. of Zoology, Raiganj University, February, 2017.
2. Visiting faculty at Dept. of Zoology, Guahati University, Guwahati to teach Immunology course module for PG students, August, 2023.
3. Delivered lecture at Faculty Induction Program at IIT (IISM), Dhanbad, December, 2024.

Teaching learning content and development of courses and curricula

1. Science Master class for North Bengal Medical Centre, Siliguri on “Diagnosis of COVID-19” <https://youtu.be/-Alxm3GYeY4?si=VP9g-ThHFwW7tmCl>
2. Formulation of CBCS rules and regulations (UG and PG) for CBPBU
3. Formulation of Undergraduate NEP course curriculum (NCCF) for CBPBU
4. Formulation of PhD/MPhil rules and regulations for CBPBU
5. Undergraduate and Post Graduate Course curriculum of Zoology subject for CBPBU
6. Undergraduate NCCF Course curriculum of Zoology subject for CBPBU
7. Value Education/ENVS undergraduate Course curriculum of Zoology subject for CBPBU
8. PhD course curriculum of Zoology subject for CBPBU

ADDITIONAL ACADEMIC & ADMINISTRATIVE RESPONSIBILITIES

- **Vice Principal**- North Bengal St. Xavier’s College- Since July 2013 till Sep, 2016
- **Head**- Dept. of Zoology, CBPBU- May, 2019-2021 and 2023-2025 (Four years)
- **Executive Member (EC)**, CBPBU- 2018-2019; June 2020-2021
- **Controller of Examinations (Officiating)**- Cooch Behar Panchanan Barma University (CBPBU)- October, 2017 till March 2018 (six months)
- **Chairperson, Board of Studies (UG, PG, DRC), Zoology**, CBPBU- October, 2019-2021 and 2023-2025
- **Member, Board of Studies (UG, PG, DRC), Zoology**, CBPBU- Sep 2016-till date
- **Coordinator -Community College section** of North Bengal St. Xavier’s College - Since June 2012 till June, 2016
- **Academic Counselor (Life Sciences)**- Indira Gandhi National Open University (IGNOU)- July 2012- 2016
- **Governing Body** member of North Bengal St. Xavier’s College from 2012 till Jan 2018.
- **NSS Program Officer** of Unit-I, CBPBU
- **Academic Member**, District Tobacco Control Board, Cooch Behar
- **PG BOS member** of Raiganj University and Alipurduar University
- **Governing Body member** of Cooch Behar College and Sitalkuchi College

HOBBIES: Sports & Painting

Hadida Yasmin (06/04/2026)