





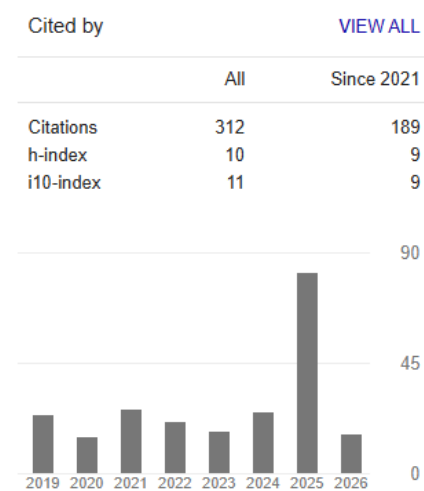
Mahua Basu

Assistant Professor in Environmental Studies,
Department of Commerce (Morning & Evening),
BMS, and Multimedia.

St. Xavier's College (Autonomous), Kolkata,
700016.

mbasu@sxccal.edu

Google Citations:



Field of Interest and Work:

Biology or Life Sciences
(Zoology),
Environmental Science,
Medicine and Healthcare,
Biochemistry,
Physiology,
Neurobiology

Google Scholar ID [2hzyHmsAAAAJ](#)

Orcid ID [0009-0003-5185-5551](#)

Scopus ID [57069650500](#)

Researcher ID [JQW-4621-2023](#)

Education

PhD, Visva Bharati University,
Dept. of Environmental Studies.

M.Phil., Burdwan University,
Environmental Sciences.

B.Ed., University of Calcutta.

Master of Science (Zoology) with specialization
in Animal Physiology and Biochemistry,
Calcutta University.

Bachelor in Science, Honours in Zoology,
Bethune College, Calcutta.

Biographical Sketch

I am a dedicated academic with a robust background in Life Sciences and Environmental Sciences, actively immersing myself in community-based social services and counselling for underprivileged women. My fervent advocacy for education, self-sufficiency, and sustainable living drives my work, where I specialize in addressing critical environmental and health challenges, including personal hygiene, waste management, afforestation, water conservation, and public health campaigns.

A passionate connoisseur of Indian Classical dance and Bengali theatre, I find that these artistic forms elegantly bridge theoretical knowledge with practical applications in sustainable development. My commitment to a holistic and multidisciplinary approach underscores my relentless pursuit of community empowerment and transformative social

Research Interest

Toxicology: Toxicity of synthetic products and the role of natural products as health protectors and detoxifiers against environmental pollutants.

Title of PhD topic: *"Modulating neurotoxic effects of chlorpyrifos by a naturally occurring coumarin scopoletin"*

Teaching Experience

- St. Xavier's College, Calcutta: Teaching at present from 1996 to 2003 and since 2005 to date.
- Visva Bharati University: Honorary lecturer for Post-Graduation students of Environmental Science, 2014 and 2015.
- Shri Shikshayatan College, Calcutta: 2002-2011.
- Bethune College: 1995-2003.
- Guest lecturer at J.D. Birla Institute, Department of Management, 2018.

Subjects Taught:

Zoology at Bethune College and Shri Shikshayatan College:	
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- General Zoology of Vertebrates and Invertebrates
- Animal Physiology
- Biochemistry of Living Organisms
- Genetics and Molecular Biology in Zoology

During my tenure as a faculty member in the field of Zoology, while teaching at Bethune College and Shri Shikshayatan College, I've had the privilege of imparting knowledge and nurturing a profound understanding of the animal kingdom. My focus extended to exploring the intricacies of their physiology, delving into the realms of biochemistry, and unravelling the genetic mechanisms at the molecular level. This experience has not only allowed me to contribute to the academic growth of students but has also deepened my appreciation for the nuanced and fascinating world of zoological sciences.

Environmental Studies at Shri Shikshayatan College:	
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During my tenure at Shri Shikshayatan College as an educator, I had the privilege of serving as a faculty member in Environmental Sciences, under the University

Grants Commission (UGC) curriculum. This dual engagement of teaching Zoology and Environmental Sciences further enriched my teaching experience.

Environmental Studies at St. Xavier's College (Autonomous):	
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In my current role at St. Xavier's College (Autonomous), I serve as a faculty member in Environmental Studies, actively engaging in the exploration and education of the intricate interplay between living organisms and their surrounding environment.

Drawing from my previous experience in Zoology, this dual academic journey has equipped me with a comprehensive perspective. Possessing expertise in both Zoology and Environmental Sciences bestows a range of advantages in the realm of teaching. This dual proficiency allows educators to offer students a more comprehensive and interconnected understanding of the natural world. It enables me to seamlessly bridge the realms of biological sciences and environmental awareness, fostering a holistic understanding among students and contributing to a well-rounded approach in academic endeavours. This approach enables students to grasp the interdependencies between living organisms and their habitats, fostering a deeper appreciation for the complexity of ecological relationships. Moreover, I am well-equipped to instil a sense of environmental responsibility and conservation awareness in their students. The ability to draw connections between the subjects enhances the educational journey, making it more engaging, relevant, and reflective of the interdisciplinary nature of the biological sciences. Ultimately, I can empower students with a well-rounded knowledge base, preparing them to address the multifaceted challenges of our changing world.

Curricular and Societal Activities:

1. Resource person in the documentary film titled "**Where Water Is**" by **ETL**,

Collegeville, Minnesota.

Extending the Link - Water Documentary (Trailer) 2018 - YouTube

<https://www.youtube.com/watch?v=8svb07IH6no>

Extending the Link: NibiEteg - Where the Water is (2018)

<https://www.youtube.com/watch?v=By58jIBw0II>

2. Interviewed by **Hindustan Times, which** was published in **HT Woman's World** Titled "**Kolkata's green warriors,**" 10th August 2014.

[https://www.Hindustan Times \(Kolkata\)\(2014-08-10\) page2%20\(1\)%20\(2\).pdf](https://www.Hindustan Times (Kolkata)(2014-08-10) page2%20(1)%20(2).pdf)

I. Resource person for SPECIAL LECTURES / INVITED LECTURES:-

1. Resource person on World Environment Day, 2023, on the theme "**Solution to plastic pollution**", 5th June 2013, Shri Shikshayatan College, Kolkata
2. Invited Lectures on „**Sustainable tools for Environmental Management,**“ 2018 at J.D Birla Institute, Department of Management, Kolkata.
3. Speaker for the Valedictory session on a one-day State-level Seminar on „**Conservation of Biodiversity,**“ 6th April 2018, Department of Botany and Chemistry, Shri Shikshayatan College, Calcutta.
4. "**Evaluation of Anti-Alzheimer activity of a naturally occurring coumarin**" in the Department of Chemistry, Shri Shikshayatan College, Kolkata, 30th March 2016.
5. "**Important Environmental legislations in India**" in the Department of Environmental Studies, Siksha Bhavana, Visva Bharti University, Santiniketan, Saturday, 22nd November 2014.
6. "**Important Negotiations, Treaties, Protocols in Environmental Protection**" in Department of Environmental Studies, Siksha Bhavana, Visva Bharti University, Santiniketan, Saturday, 15th November 2014.
7. "**National Environmental Policies, MOEF, CPCB and the SPCBs**" in Department of Environmental Studies, Siksha Bhavana, Visva Bharti University, Santiniketan,

Saturday, 08th November 2014.

8. **“Environmental policies at International Level”** in Department of Environmental Studies, Siksha Bhavana, Visva Bharti University, Santiniketan, Saturday, 01st November 2014.

II. BOOKS

1. Authored **“Harmonizing Business and Planet: Unveiling the Nexus of Corporate Social Responsibility and Environmental Sustainability, for a Symbiotic Tomorrow”** in the book titled **“In Integrating Environmental Sustainability and Corporate Social Responsibility: A Move Beyond Profit: Corporate Social Responsibility for Environmental Sustainability”** (pp. 1-44). Cham:
Editors: Pardeep Singh, Shikha Daga, Kiran Yadav
Publisher- Springer Nature Switzerland (27 February 2025).
DOI: https://doi.org/10.1007/978-3-031-81469-3_1
Print ISBN978-3-031-81468-6
Online ISBN978-3-031-81469-3
2. Authored **“Understanding Fluoride and Fluorocarbon Toxicity: An Overview”** in the book titled **“Fluoride and Fluorocarbon Toxicity: Sources, Issues, and Remediation”**, 3-63.
Editor: Nitish Kumar
Publisher- Springer (2024).
DOI: https://doi.org/10.1007/978-981-97-7733-4_1
Print ISBN978-981-97-7732-7
Online ISBN978-981-97-7733-4
3. Authored **“Tech-Driven Horizons: Pioneering Sustainable Tourism for Environmental Resilience and SDGs Triumph”** in the book titled **“The Need for Sustainable Tourism in an Era of Global Climate Change: Pathway to a Greener Future”**.
Editors: Pardeep Singh, Shikha Daga, Kiran Yadav, Abhay Jain
Publisher- emerald Publishing, UK (in press)
ISBN: 978-1-83608-669-7 (Print)
ISBN: 978-1-83608-668-0 (Online)
ISBN: 978-1-83608-670-3 (Epub)
4. Authored **“The Routledge Handbook of International Environmental Policy”**;

Publisher- Routledge Taylor & Francis Group; 1st Edition; (March 2024)

ISBN: 978- 1- 032- 49634- 4 (hbk)

ISBN: 978- 1- 032- 57696- 1 (pbk)

ISBN: 978- 1- 003- 44057- 4 (ebk)

DOI: 10.4324/ 9781003440574

5. Coauthored with Mausumi Das Nath, Chapter 9: "**A Study of the Role of Artificial Intelligence in Monitoring Environmental and Health Issues in the post-Covid-19 Pandemic toward Sustainable Living**" in the book titled "Artificial Intelligence for Multimedia Information Processing: Tools and Applications";
Publisher- CRC Press (Taylor & Francis Group). (2024)

ISBN: 9781032521473

DOI: 10.1201/9781003405436

6. Authored "**Chapter 4: Impact of Mercury and Its Toxicity on Health and Environment: A General Perspective**" in the book titled „Mercury Toxicity: Challenges and Solutions“;
Publisher- Springer Nature Singapore. (2023)

ISBN: 978-981-99-7718-5

ISBN: 978-981-99-7719-2 (eBook)

<https://doi.org/10.1007/978-981-99-7719-2>

7. Mahua Basu, Nibha Mishra, Arijit Basu, S.Balachandran, S. Xavier. "**Enzymatic Targets for Drug Discovery Against Alzheimer’s Disease**. Book Chapter: "**In Advances in Studies on Enzyme Inhibitors as Drugs**". Volume 2, pg 31-50,
Nova Science Publishers, Inc., Hauppauge, NY, USA. Editor: Satya P. Gupta. (2017)
ISBN: 978-1-53610-505-6

8. Author of "**Fundamentals of Environmental Studies**";
Publisher- Cambridge University Press;
ISBN: 978-1-107-53617-3. (2016)

9. Mahua Basu, Nibha Mishra, Arijit Basu, S.Balachandran, S. Xavier. "**Enzymatic Targets for Drug Discovery Against Alzheimer’s Disease**. Book Chapter: "**In**

Advances in Studies on Enzyme Inhibitors as Drugs". Volume 2, pg 31-50,
Nova Science Publishers, Inc., Hauppauge, NY, USA. Editor: Satya P. Gupta. (2017)
ISBN: 978-1-53610-505-6

III. PUBLICATION OF ARTICLES:-

A. PEER REVIEWED

INTERNATIONAL

1. Basu, M., Bala, S, Xavier, S, Mayana, K, Mishra, N. **"Effect of Scopoletin on monoamine oxidases and brain amines,"** *Neurochemistry International, Elsevier*, Volume 93, January 2016, Pages 113-117. ISSN No. **0197-0186(1872-9754)**. Impact Factor: 4.4. www.elsevier.com/locate/nci;
<https://doi.org/10.1016/j.neuint.2016.01.001>
SCImago Journal Rank (SJR): 0.958

Indexed in: BIOSIS, Elsevier BIOBASE, Chemical Abstracts, Current Contents/BIOMED Database, Current Contents/Life Sciences Current Contents/SciSearch Database, Current Contents/Science Citation Index MEDLINE® EMBASE PASCAL/CNRS Psychology Abstracts Research Alert Scopus
Citations: 33
H Index: 136
2. Pandey, D.; Banerjee, S.; Basu, M.; Mishra, N., **"Memory enhancement by tamoxifen on amyloidosis mouse model"** *Hormones and Behavior, Elsevier*, Volume 79, October 2015, Pages 70–73. ISSN No. 0018-506X.
ImpactFactor: 3.5.
www.elsevier.com/locate/yhbeh;
<https://doi.org/10.1016/j.yhbeh.2015.09.004>
SCImago Journal Rank (SJR): 1.893,
Indexed in: Scopus.
Citations: 41
H Index: 154
3. **"Acid Rain: An Overview."** *Journal on "Modern Issues in Environmental Studies,"* Dept. Environmental Studies. 15th May 2014. St. Xavier's College (Autonomous), Kolkata. pp 9-11.
4. **"Rising Population: The Pivotal Issue,"** *Journal on "Modern Issues in Environmental Studies,"* Dept. Environmental Studies. 15th May 2014. St. Xavier's College

(Autonomous), Kolkata. pp 22-25.

5. **"Tsunami and Earthquakes: The Tremors that Sweep You Away"** *Journal on "Modern Issues in Environmental Studies"*, Dept. Environmental Studies. 15th May 2014. St. Xavier's College (Autonomous), Kolkata. pp 33-37.
6. **"Nuclear Power Plants: The Efficient Danger Lurking,"** *Journal on "Modern Issues in Environmental Studies,"* Dept. Environmental Studies. 15th May 2014. St. Xavier's College (Autonomous), Kolkata. pp 38-44.
7. **"Industry-Academia Symphony; the Road to Sustainable Development."** *"Environmental Stewardship and Corporate Social Responsibility."* February 2013. St. Xavier's College (Autonomous), Kolkata. pp 10-11.
8. **"CSR: A Green Path or Just Another Red Signal"?** *"Environmental Stewardship and Corporate Social Responsibility."* February 2013. St. Xavier's College (Autonomous), Kolkata. pp 16-17.
9. **"CSR - Is it Green or Greenwashing"?** *"Environmental Stewardship and Corporate Social Responsibility."* February 2013. St. Xavier's College (Autonomous), Kolkata. pp 26-28.
10. **"CDM; Saving the World or Watching it Burn"?** *"Environmental Stewardship and Corporate Social Responsibility"*, February 2013. St. Xavier's College (Autonomous), Kolkata. pp 42-43.
11. **"CDM have money; will pollute"** *"Environmental Stewardship and Corporate Social Responsibility"* February 2013. St. Xavier's College (Autonomous), Kolkata. pp 51-53.
- 12 **"Is India Rich enough to talk about CSR"?** *"Environmental Stewardship and Corporate Social Responsibility."* February 2013. St. Xavier's College (Autonomous), Kolkata. pp 55-56.
13. **"Will Gulliver die a Guyver? The Boom of Environment Stewardship and its Fated Doom".** *"Environmental Stewardship and Corporate Social Responsibility."* February 2013. St. Xavier's College (Autonomous), Kolkata. pp 59-60.
14. **"Anticonvulsant activity of *Benkara malabarica* (Linn.) root extract: *in vitro* and *in vivo* investigation"**. *Journal of Ethnopharmacology*. Elsevier, 24th March 2010. Vol -128.

No- 2.ISSN: 0378-8741. Impact factor: 2.998. 5-Year Impact Factor: 4.36

www.elsevier.com/locate/jethpharm;

<https://doi.org/10.1016/j.jep.2010.01.042>

SCImago Journal Rank (SJR): 0.833,

Indexed in: Scopus, CrossRef, and PubMed.

Citations: 32

H Index: 231

15. Structure-based virtual screening of GSK - 3 β : Importance of Protein flexibility and induced fit. Bioorganic& Medicinal Chemistry Letters. Elsevier, 01st October 2009.Vol -19. Issue – 19. pp 5582 – 5585. ISSN: 0960-894X.

Impact Factor: 2.77.

5-Year Impact Factor: 2.539

www.elsevier.com/locate/bmcl;

<https://doi.org/10.1016/j.bmcl.2009.0042>

SCImago Journal Rank (SJR): 0.506,

Indexed in: BIOSIS Beilstein Database Biochemistry and Biophysics Citation Index CAB Health Cancerlit Chemical Abstracts Chemical Citation Index Current Contents/Life Sciences MEDLINE® EMBASE Pascal Research Alert SCISEARCH Science Citation Index ExcerptaMedica CAB Abstracts Elsevier BIOBASE/Current Awareness in Biological Sciences TOXFILE Adis LMS Drug Alerts Scopus;

Citations: 11.

H Index: 160

NATIONAL

1. Varun Bajaj^a, Mahua Basu^b **“Corporate Social Responsibility: A Single or Multi-Layered Concept?”**, *Impetus, Youthink*, Department of Commerce, St. Xavier's College (Autonomous), Kolkata, Volume 10, 02nd October 2015.

ISSN:2347-6222

2. **“The Enigma of Mitigation Policies,”** Two-day National Seminar on *“Global Warming and Its Social and Economic Effect”*, Commerce Department, Tarakeswar Degree College, Tarakeswar, Hooghly, West Bengal, & Alpana Enterprise, Sinthee, Kolkata. Seminar Volume-1. pp 280-294.

ISBN 978-81-921382-3-7.

3. **"Studies on the pollution of Damodar River at Burdwan with special reference to metals, COD and pH."** *"Nature Environment and Pollution technology,"* 1(4). Technoscience Publications. pp 397-399, 2002.

ISSN No. : 0972 6268

4. **"An account of *Diplocystis schneideri* Kunstler (1887) occurring in the haemocoel of domestic cockroaches in and around Calcutta".** *"Journal of Bengal Natural History Society."* New Series. Vol. 17, No.1, pp 4-9, 1998.

ISSN 0409-0756. HI 66569

B. NON-PEER REVIEWED

1. **"Cloning – A biological revolution."** Department of Science magazine, Shri Shikshayatan College, Calcutta.
2. **"Alzheimer's- the disease of the century."** Department of Science Magazine, Shri Shikshayatan College, Calcutta.

IV. CONFERENCE PROCEEDINGS

INTERNATIONAL

1. **"Evaluation of anti-Alzheimer's activity of Scopoletin"** International Conference on *"Harnessing the Sub-Himalayan Plant Diversity for Human Welfare"*; Dibrugarh University, Assam; 11th to 13th March 2015. pp 51.
2. **"Water Sustainability Issues for India with its Social and Ecological Impacts,"** Conference on Transformative Land and Water Governance, organized by Environmental Science for Social Change (ESSC), Pine Hills Hotel, Malaybalay City, Bukidnon, Philippines, 21-23 May 2014. (Ref-page 14 in the PDF file)
3. **"Climate Change: The road ahead."** *The environmental migrant - the human face of*

climate change", International Conference "Global Earth Summit- II". Department of Environmental Studies, St Xavier's College (Autonomous), Kolkata, on 29th and 30th March 2012. pp 15-16.

4. **"The Green Option: A Change in Paradigm."** *The environmental migrant - the human face of climate change*", International Conference "Global Earth Summit- II". Dept of Environmental Studies, St Xavier's College (Autonomous), Kolkata, on 29th and 30th March 2012. pp 16-17.
5. **"The Irony of Climate Refugees."** *The environmental migrant - the human face of climate change*", International Conference "Global Earth Summit- II". Dept of Environmental Studies, St Xavier's College (Autonomous), Kolkata, on 29th and 30th March 2012. pp 18-19.
6. **"Climate Refugees."** *The environmental migrant - the human face of climate change*", International Conference "Global Earth Summit- II". Dept of Environmental Studies, St Xavier's College (Autonomous), Kolkata, on 29th and 30th March 2012. pp 21-22.
7. **"Disaster Management Response to Climate Refugees."***The environmental migrant - the human face of climate change*", International Conference "Global Earth Summit- II". Dept of Environmental Studies, St Xavier's College (Autonomous), Kolkata, on 29th and 30th March 2012. pp 24-25.
8. **"Fighting the double-faced."***The environmental migrant - the human face of climate change*", International Conference "Global Earth Summit- II". Dept of Environmental Studies, St Xavier's College (Autonomous), Kolkata, on 29th and 30th March 2012. pp 25.
9. **"Exploring the molecular basis of monoamine oxidase inhibition by Scopoletin: a naturally occurring coumarin."** 12th International Congress of Ethnopharmacology, School of Natural Product Studies, Jadavpur University, Kolkata. 17-19 February 2012.
10. **"Global warming and Water war"-An investigation into Humanity's waging war on nature for water."** International Conference on Global Climate Change Centre for Environmental Studies and Integrated Science Education and Research Centre, Siksha-Bhavana, Visva-Bharati, Santiniketan. 19-21 February 2010.

11. "Understanding the role of putative water molecule during Virtual screening of GSK- 3beta inhibitors: An in-silico study". International Conference on

"Lessons from the Microbial World." KIIT School of Biotechnology, University of Bhubaneswar, Orissa. 24th November 2008.

NATIONAL

- 1. "Climate Change and Weather Extremities."** A two-day conference on "Environment and Climate Change". Department of Multimedia in collaboration with the Department of Environmental Studies, St Xavier's College (Autonomous), Kolkata, on 25th and 26th September 2018. Volume 1, pp. 10-13.
- 2. "The Anthropocene Climate change and sixth mass extinction- placing the planet under pressure."** A two-day Conference on '*Environment and Climate Change*'. Department of Multimedia in collaboration with the Department of Environmental Studies, St Xavier's College (Autonomous), Kolkata, on 25th and 26th September 2018. Volume 1, pp 22-33.
- 3. "The Enigma of Mitigation Policies,"** Two-day National Seminar on "*Global Warming and Its Social and Economic Effects*," Commerce Department, Tarakeswar Degree College, Tarakeswar, Hooghly, West Bengal, & Seminar Volume-1.
- 4. "India at 60- Glass is half-filled! Whom to blame? Global warming or Multinational Companies?"** National Seminar on "*Economic Development with a Human Face*," Jesuit Economic Association of India in collaboration with St. Xavier's College (Autonomous), Kolkata, 27th February 2010.
- 5. "Effect of heavy metals on Bacillus sp. Isolated from contaminated site". National Seminar on "Pollution in Urban Industrial Environment."** St. Xavier's College, Calcutta, in association with the Institute of Ecotoxicology and Environmental Sciences. 10th and 11th December 2005.

V. PAPER PRESENTATIONS

INTERNATIONAL

1. **"The Sun of Goodwill: The Economic Benefits Of Clean Energy Transition."**Loyola Institute of Sustainability Science; Mundelein Auditorium, Loyola University, Chicago; March 17-19, 2016.
2. **"Evaluation of anti-Alzheimer's activity of Scopoletin."** Two-day International Conference on "Harnessing the sub-Himalayan Plant Diversity for Human Welfare," organised by Dibrugarh University, Assam, 11th to 13th March 2015.
3. **"Water Sustainability Issues for India with its Social and Ecological Impacts."**Conference on Transformative Land and Water Governance, organized by Environmental Science for Social Change (ESSC), Pine Hills Hotel, Malaybalay City, Bukidnon, Philippines, 21-23 May 2014. (Ref-page 14 in the PDF file)
4. **"Climate Change: The road ahead."** International Conference Global Earth Summit- II". Dept of Environmental Studies, St Xavier's College (Autonomous), Kolkata, on 29th and 30th March 2012.
5. **"The Green Option: A Change in Paradigm."** International Conference 'Global Earth Summit- II'. Dept of Environmental Studies, St Xavier's College (Autonomous), Kolkata, on 29th and 30th March 2012.
6. **"The Irony of Climate Refugees."** International Conference 'Global Earth Summit- II'. Dept of Environmental Studies, St Xavier's College (Autonomous), Kolkata, on 29th and 30th March 2012.
7. **"Climate Refugees."** International Conference 'Global Earth Summit- II'. Dept of Environmental Studies, St Xavier's College (Autonomous), Kolkata, on 29th and 30th March 2012.
8. **"Disaster Management Response to Climate Refugees."** International Conference 'Global Earth Summit- II'. Dept of Environmental Studies, St Xavier's College (Autonomous), Kolkata, on 29th and 30th March 2012.
9. **"Fighting The Double Faced."** International Conference 'Global Earth Summit- II'. Dept of Environmental Studies, St Xavier's College (Autonomous), Kolkata, on 29th and 30th March 2012.
10. **"Exploring the molecular basis of monoamine oxidase inhibition by Scopoletin: a naturally occurring coumarin."** 12th International Congress of Ethnopharmacology,

School of Natural Product Studies, Jadavpur University, Kolkata. 17-19 February 2012.

11. "Global warming and Water war"-An investigation into Humanity's waging war on nature for water." International Conference on Global Climate Change Centre for Environmental Studies and Integrated Science Education and Research Centre, Siksha-Bhavana, Visva-Bharati, Santiniketan. 19-21 February 2010.

12. "Understanding the role of putative water molecule during Virtual screening of GSK- 3beta inhibitors: an in-silico study". International Conference on "Lessons from the Microbial World." KIIT School of Biotechnology, University of Bhubaneswar, Orissa. 24th November 2008.

NATIONAL

- 1. "The Enigma of Mitigation Policies",** Two-day National Seminar on 'Global Warming and Its Social and Economic Effects,' Tarakeswar Degree College, Tarakeswar, Hooghly, West Bengal, 2nd-3rd December 2014. Seminar Volume-1.
- 2. "India at 60- Glass is half-filled! Whom to blame? Global warming or Multinational Companies?"** National Seminar on Economic Development with a Human Face, Jesuit Economic Association of India, in collaboration with St. Xavier's College (Autonomous), Kolkata. 27th February 2010.

STATE

- 1. "A Few Threatened Primates".** State-level Seminar on 'Conservation of Biodiversity: Impact, Challenges and Management' organized by Shri Shikshayatan College, Department of Botany and Chemistry, Kolkata. 06th April 2018.
- 2. "The Lonely Tiger".** One day, a state-level seminar on 'Conservation of Biodiversity: Impact, Challenges and Management' organized by Shri Shikshayatan College, Department of Botany and Chemistry, Kolkata. 06th April 2018.
- 3. "Coral reef conservation."** One day, a state-level seminar on "Conservation of Biodiversity: Impact, Challenges and Management" organized by Shri Shikshayatan

College, Department of Botany and Chemistry, Kolkata. 06th April 2018.

4. **“Armadillo.”** One day, a state-level seminar on “Conservation of Biodiversity: Impact, Challenges and Management” organized by Shri Shikshayatan College, Department of Botany and Chemistry, Kolkata. 06th April 2018.
5. **“Philippine Hornbills.”** One day a state-level seminar on “Conservation of Biodiversity: Impact, Challenges and Management” organized by Shri Shikshayatan College, Department of Botany and Chemistry, Kolkata. 06th April 2018.
6. **“Sorry, we can’t find Pandas.”** One day a state-level seminar on “Conservation of Biodiversity: Impact, Challenges and Management” organized by Shri Shikshayatan College, Department of Botany and Chemistry, Kolkata. 06th April 2018.
7. **“The Owlet Nightjar.”** One day a state-level seminar on “Conservation of Biodiversity: Impact, Challenges and Management” organized by Shri Shikshayatan College, Department of Botany and Chemistry, Kolkata. 06th April 2018.

IV. SEMINAR AND WEBINAR PARTICIPATIONS

INTERNATIONAL

1. Webinar on **“A Viewpoint on Pharmaceutical Research– Getting the concept right, learning what you need and Collaborate with Peers,”** organized by Guru Nanak Institute of Pharmaceutical Science & Technology (GNIPST). Dated 18th July 2020.
2. Webinar on **“Principles of anti-viral immunity,”** organized by Progress and Prospects in Biology on 14th June 2020.
3. Two days UGC- sponsored International Conference on **“Innovative business practices in a VUCA world”** organized by the Department of Commerce and Business Administration, St. Xavier’s College (Autonomous), Kolkata, in

collaboration with the Department of Commerce, University of Calcutta, 5th and 6th January 2018.

4. Two-day International Conference on **“Emerging perspectives in Commerce Economics and Management- Policies for a better world”** organized by the Department of Commerce and Business Administration, St. Xavier’s College (Autonomous), Kolkata, in collaboration with St. Xavier’s University, Kolkata, 2nd and 5th November 2017.
5. Inertia Take 4, **“Marketing of Indian Cinema Worldwide”** organized by the Department of Management (Faculty of Commerce), St. Xavier’s College (Autonomous), Kolkata, 26th and 27th March 2014.
6. “International Seminar on Science & Religion,” **“The Unknowable and the Counterintuitive,”** Department of Environmental Studies, St. Xavier’s College (Autonomous), Kolkata. 08th July 2013.
7. Participation in Inertia 13, **“The Global Entrepreneur, an International Marketing Summit,”** organized by St. Xavier’s College, Department of Management, B.Com, on the 12th and 13th of April 2013.
8. A two-day International Conference **“Global Earth Summit- II”**. Dept of Environmental Studies, St Xavier’s College (Autonomous), Kolkata, on 29th and 30th March 2012.
9. A three-day International Congress of Ethnopharmacology on **“Traditional Medicines and Globalization – The Future of Ancient Systems of Medicine.”** 12th International Congress of Ethnopharmacology, School of Natural Product Studies, Jadavpur University, Kolkata. 17-19 February 2012. Paper presented on **“Exploring the molecular basis of monoamine oxidase inhibition by Scopoletin: a naturally occurring coumarin.”**

10. A two-day International seminar on **“Search for Holistic Combination of Agriculture, Industry and Education.”** Dept of Commerce, St Xavier’s College (Autonomous), Kolkata, and Netaji Nagar College, Kolkata, on 08th December 2011.
11. A two-day conference on **“Environment and Energy Conclave 2011”**. Bengal Chamber Of Commerce on 26th August 2011 –27th August 2011.
12. A two-day International Conference **“ Global Earth Summit-I”**. Dept of Environmental Studies, St Xavier’s College (Autonomous), Kolkata, on 11-12 February 2011.
13. A two-day International Marketing Summit, **“Driving Momentum in Marketing Paradigm.”** Dept of Management, Commerce, St Xavier’s College (Autonomous), Kolkata on 28th -29th January 2011.
14. A two-day conference on **“Environment and Energy Conclave 2010 From Copenhagen to Mexico: Business Sustainability in Emerging Scenarios”**. Bengal Chamber Of Commerce. 27th and 28th August 2010.
15. International Conference on **“Global Climate Change.”** Centre for Environmental Studies and Integrated Science Education and Research Centre, Siksha-Bhavana, Visva-Bharati, Santiniketan. 19th -21st February 2010.

NATIONAL

1. Department of Commerce and Management, St. Xavier’s College (Autonomous), Kolkata, organised webinar on **“Stress Management Skills for Students under the COVID-19 Paradigm”** on 01st August 2020.
2. Webinar on **“Mysterious Diseases: The failure of disease surveillance in India”** organized by the Centre for Science and Environment. Dated 27th

July 2020 | Monday | 2.00 to 3.30 pm India Time.

3. St. Xavier's College (Autonomous), Kolkata, Internal Quality Assurance Cell (IQAC), and Academic Council organized a National-Level Webinar: **"Pandemic and Disaster: Understanding and Coping"** on 11th & 12th July 2020.
4. National Assessment and Accreditation Council (NAAC), Bangalore organized an online address by Shri Tathagata Roy, Honourable Governor of Meghalaya, on the topic-**"Reflections of Higher Education Scenario - Post Covid-19."** Date and Time: 13/06/2020 from 12:00 pm to 01:00 pm.
5. **"CSE Webinar: Pandemics and Industrial food animal farming"** organized by the Centre for Science and Environment. Date Time: Jun 10, 2020, 04:30 PM, India.
6. UGC Sponsored National Symposium on **"Overcoming Challenges for Sustainable Corporate Excellence,"** Dept. Of Commerce (UG & PG) and Business Administration, St. Xavier's College (Autonomous), Kolkata, with support from Indian Council of Social Science Research (ICSSR); 21st March 2015.
7. Two days UGC sponsored National Seminar on **"Global Warming and Its Social and Economic Effect,"** Tarakeswar Degree College, Tarakeswar, Hooghly, West Bengal, 2nd-3rd December 2014.
8. UGC Sponsored National Conference on **"Re-imagining India: Challenges and Opportunities in Finance, Management and Policy-making (within an Analytical Framework)"**; Dept. Of Commerce and Business Administration, St. Xavier's College (Autonomous), Kolkata, in collaboration with IMI, Kolkata, 19th-20th September 2014 at St. Xavier's College (Autonomous), Kolkata.
9. UGC-sponsored National Conference organized by the Department of Commerce and

Business Administration, St. Xavier's College, Kolkata, in collaboration with Shri Shikshayatan College, Kolkata, on **"Inclusive Growth, Business and Environment in India's Emerging Economy"** on 6th and 7th of April, 2013.

10. A two-day UGC sponsored Seminar on **"Financial Reporting: A Changing Paradigm."** Dept of Commerce and Business Administration, St Xavier's College (Autonomous), Kolkata, on 3rd and 4th February 2012.
11. A two-day conference of **Bengal Economic Association**, St. Xavier's College (Autonomous), Kolkata, on 12th – 13th February 2011.
12. UGC sponsored National Level Seminar on **"Governing Business in the 21st Century – Opportunities and Challenges"**. St. Xavier's College (Autonomous), Kolkata, in collaboration with the Bengal Economic Association. 20th and 21st November 2009.
13. UGC sponsored National Seminar on **"Challenges and Opportunities in Commerce Education – A new paradigm."** St. Xavier's College (Autonomous), Kolkata. 02nd May 2009.
14. UGC sponsored National Level Seminar on **"Stress, Drug Development and Nanotechnology."** Bethune College, Calcutta, in collaboration with Bose Institute, Calcutta. 5th and 6th, March 2009.
15. National Seminar on Economic Development with a Human Face, Jesuit Economic Association of India, in collaboration with St. Xavier's College (Autonomous), Kolkata, and presented a paper on **"India at 60- Glass is half-filled! Whom to blame? Global warming or Multinational Companies?"** 27th

16. National Seminar on **“Pollution in Urban Industrial Environment.”** St. Xavier’s College, Calcutta, in association with the Institute of Ecotoxicology and Environmental Sciences. 10th and 11th December 2005.

17. UGC sponsored National Seminar on **“Science, Literature and Social Science in the perspective of the present. Phase I: New Frontiers of Basic and Applied Sciences”**. Bethune College, Calcutta. February 6th and 7th, 2004.

18. **“National Symposium on Perspective in Biodiversity.”** The Zoological Society, Calcutta. 24th and 25th, March 1995.

REGIONAL

1. CSE’s two-day conference on **Regional Knowledge Conclave** for Colleges and Universities, Kolkata, 24th and 25th August 2017.
2. UGC sponsored Regional-Level Seminar on **“Sustainable Development and Corporate Social Responsibility.”** Shri Shikshayatan College, Calcutta. 2nd and 3rd December 2005.

STATE

1. UGC sponsored State Level Seminar on **“Chemistry and Environment”** by Jogesh Chandra College, Kolkata, in collaboration with South Calcutta Dist. Committee WBCUTA. 12th September 2009.
2. UGC sponsored State Level Seminar on **“Governing business in the 21st century- opportunities and challenges”**. St. Xavier’s College (Autonomous), Kolkata, in collaboration with BEA. 20th- 21st November 2009.

V. WORKSHOPS

1. KIET’s International Summer School & Workshop on **“Computer Aided Drug**

Discovery & Development Tools.” Dated 22nd July 2020 from 9 am. Organized by the Department of Pharmaceutical Chemistry, KIET School of Pharmacy, KIET Group of Institutions, Delhi-NCR, Ghaziabad-201206

2. **Workshop participation on Overview of Stock Exchange** by St. Xavier’s College, B. Com E, St. Xavier’s College, Kolkata, **in collaboration with** National Stock Exchange of India Limited on 14th March 2013.
3. Inter-Disciplinary Workshop on **“Recent Concerns in Environmental Issues”**. St Xavier’s College (Autonomous), Kolkata.
4. Attended a two-day workshop on **“Global Warming.”**Techno India, Kolkata, 12-13 March 2010.
5. **“The National Workshop on Environmental Pollution and Its Management.”** Dept of Metallurgical Engineering and University Science Instrumentation Centre, Jadavpur University, Calcutta. 26th – 29th November 1997.

VI. ORIENTATION AND FACULTY DEVELOPMENT PROGRAMME (FDP)

1. **UGC sponsored Refresher Course from 07th January 2019 to 30th January 2019 organized by UGC HRDC Jadavpur University, Kolkata.**
2. **Faculty Development Programme. St Xavier’s College (Autonomous), Kolkata, on 28th April 2017, on „State of the Indian Economy”.**
3. **59th UGC sponsored Orientation Programme from 26th November 2015 to 23rd December 2015, organized by UGC HRDC Jadavpur University, Kolkata.**
4. **Faculty Improvement Programme. St Xavier’s College (Autonomous), Kolkata, in July 2013.**
5. **Faculty Improvement Programme. St Xavier’s College (Autonomous), Kolkata, on Jan 2013.**
6. **Faculty Improvement Programme. St Xavier’s College (Autonomous), Kolkata, on 07th July 2012.**
7. **Faculty Development Programme, Dept. of Commerce, St Xavier’s**

College (Autonomous), Kolkata, on 17th September 2011.

8. Faculty Development Programme, St Xavier's College (Autonomous), Kolkata, on 19th February 2011.

VII. INDUSTRIAL VISITS/EDUCATIONAL TOURS

- 1.** 19th March 2013- Vikram Solar, SEZ, Falta
- 2.** 11th and 14th March 2014- IGWT Plant, Palta, Barrackpore
- 3.** 25th February 2015- Vikram Solar, SEZ, Falta
- 4.** 01st April 2016 - Nextgen Printers Pvt.Ltd, Dhulagarh