

Teacher Profile



Details of Faculty:

1. Name of the Teacher : **Dr. Moitreyee Saha**
2. Gender : **Female**
3. Qualification : **Ph.D. (Botany), M. Phill. (Botany), M.Sc. (Cytogenetics and Plant Breeding)**
4. Department : **Botany**

Academic Qualification

Examination	University	Year of passing
Ph. D. (Botany)	University of Mumbai	August 2003
M. Phill. (Botany)	University of Mumbai	1990
M.Sc. (Cytogenetics, Plant Breeding and Elementary Biostatistics)	Kanpur University	1984

5. Nature of Post : **Permanent**
6. Designation : **Associate Professor**
7. Date of appointment : **29/07/1986**
8. Teaching experience in years:

Subject	Classes	Name of the College	Years
Botany	UG	VPM's B.N.Bandodkar College of Science, Thane	32 years
Botany	PG	R.K. Talreja College, Ulhasnagar	23 years
Biotechnology	PG	Birla College of Arts, Science and Commerce, Kalyan	7 years

9. Participation in various bodies of (universities/ autonomous colleges/ other colleges, such as BOS & academic council)

Sr. No.	Name of College/ University	Details
1.	M.Sc. Biotechnology and M.Sc. Herbal Science in Birla College of Arts, Science and Commerce, Kalyan	Paper setter for common entrance examination for M.Sc. Biotechnology and M.Sc. Herbal Science Letter dated 14 th June 2006
2.	M.Sc. Biotechnology and M.Sc. Herbal Science in Birla College of Arts, Science and Commerce, Kalyan	Invited as visiting Faculty Letter dated 12 th June 2007
3.	Nominated as associated editor of a research Journal Bionano Frontiers	Letter dated 4 th August 2007
4.	Sant Gadge Baba Amravati University, Amravati	Paper setter for M.Sc. II Letter dated 4 th December 2008

10. Awards, recognition fellowship at state, national, international level from government recognized bodies with date:

- Certificate of “**Excellence for outstanding research papers in the field of life Sciences**” by Bionano Frontiers Journal of Science and technology, on 28th February 2009.
- “**Distinguished Best Teacher Award**” by International Society of Science and Technology, Mumbai on 5th September, 2016.
- “**Saudamini Award**” by Mahila Mohotsav, 2017 organized by Prarambh Academy, Thane, on 5th November, 2017.

11. Government/Non- government Grants for research projects:

Sr. No.	Title of the minor research project	Government or Non-Government	Year	Duration	Amount Sanctioned
1.	<i>In vitro</i> culture studies in <i>Lawsonia inermis</i> L. generating coloured callus for the mass production of herbal hair dye and coloured streaks”	Government (UGC)	2008-11	1 st April, 2008 – 31 st March, 2011	Rs. 8,74,800/-

2.	Comparative antioxidant evaluation of <i>Tridax procumbens</i> L. and <i>Cissampelos pareira</i> L.	Government (University of Mumbai)	2014-15	1 st November, 2014 – 31 st March, 2015	Rs. 25,000/-
3.	Exploration of genotoxic effect and antigenotoxic potential of <i>Trachyspermum roxburghianum</i> Benth. Ex. Kurz. and <i>Nigella sativa</i> using <i>Allium cepa</i> L. root tip assay	Government (University of Mumbai)	2017-18	1 st April, 2018 – 31 st August, 2018	Rs. 50,000/-

12. Recognized as research guide:

- Date of recognition for M.Sc. by research: **26th May, 2005 (No. PG/2/2011 of 2005)**
- Date of recognition for Ph. D: **21st November, 2008 (No. PG/2/5830 of 2008)**

Sr. No.	Name of Student	Date of Registration	Title of Ph.D.	Year of Award
1.	Ms. Snehal Phirke	02/11/2011	<i>In vitro</i> culture studies in <i>Lawsonia inermis</i> L.	2017

13. List of research papers:

Title of the Research Paper	Name of Authors	Name of the Journal and Year	Status of Journal & ISSN No.	Link of the recognition in UGC
<i>In vitro</i> propagation of <i>Carica papaya</i> L. var. 'Coorg Honeydew' from nodal explants.	Moitreyee Saha , Meeta Bhot, Anita Phatak and Naresh Chandra	<i>Asian Jr. of Microbiol. Biotech. Env. Sc.</i> (2003)	International 0972-3005	
Somatic embryogenesis in different varieties of <i>Carica papaya</i> L.	Saha, M. , Phatak, A. and Chandra, N.	<i>Journal of Tissue Research</i> (2004)	International 0973-0028	
Generation of synthetic seeds from different varieties of <i>Carica papaya</i> L.	Saha, M. , Phatak, A. and Chandra, N.	<i>Journal of Tissue Research</i> (2004)	International 0973-0028	
<i>In vitro</i> culture studies in four dioecious varieties of <i>Carica papaya</i> L. using axillary buds from field grown plants.	Saha, M. , Phatak, A. and Chandra, N.	<i>Journal of Tissue Research</i> (2004)	International 0973-0028	

Hyperhydricity in axillary bud explants of <i>Carica papaya</i> L. regenerated in vitro	Saha, M. , Phatak, A. and Chandra, N.	<i>Journal of Cell and Tissue Research</i> (2005)	International 0973-0028	
In vitro propagation of precociously germinated seedlings of <i>Carica papaya</i> L. variety Madhubindu.	Saha, M.	<i>Bionano Frontiers</i> (2007)	National Print ISSN 0974-0678, Online : 2320-9593	
Phytoremediation of heavy metals from industrial effluents by free and immobilized plant biomass	M. V. Marathe and Saha, M.	<i>Bionano Frontiers</i> (2009)	National Print ISSN 0974-0678, Online : 2320-9593	
From Editorial Desk - Charles Robert Darwin (1809-1882)	Moitreyee Saha	<i>Bionano Frontiers</i> (2009)	National Print ISSN 0974-0678, Online : 2320-9593	
DNA nanotechnology the journey forward	Moitreyee Saha	<i>Bionano Frontiers</i> (2009)	National Print ISSN 0974-0678, Online : 2320-9593	
From Editorial Desk - Global warming and Carbon credits	Moitreyee Saha	<i>Bionano Frontiers</i> (2010)	National Print ISSN 0974-0678, Online : 2320-9593	
Antimicrobial activity of leaf extracts of <i>Codiaeum variegatum</i> (L.) Blume.	Meeta Bhot, Moitreyee Saha , Anita Phatak and Naresh Chandra	<i>Int. J. Pharmacol. Biol. Sci.</i> (2010)	International Online : 2230-7605 print-ISSN: 2321-3272	https://www.ugc.ac.in/journalist/ugc_admin_journal_report.aspx?eid=NDYzMjI=
In vitro propagation of <i>Carica papaya</i> L. cv. Red Lady from shoot apex and node explants.	Moitreyee Saha	<i>Bionano Frontiers</i> (2010)	National Print ISSN 0974-0678, Online : 2320-9593	
EDA procedure: An effective tool in the study of inoculation Medium for in vitro seed germination in eleven different varieties of <i>Carica papaya</i> L.	Phal, K. and Saha, M.	<i>Advances in Bioresearch</i> , (2010)	National E-ISSN : 2277-1573 P-ISSN : 0976-4585	

<i>In vitro</i> callus induction from leaf explants of <i>Lawsonia inermis</i> L. used as herbal dye.	Phirke, S. S., Saha, M. and Naresh Chandra	<i>Asian J. Exp. Biol. Sci</i> (2010)	National 0975-5845	
<i>In vitro</i> culture studies of axillary bud explants from field grown plants of <i>Carica papaya</i> L. – Bacterial disinfection.	Moitreyee Saha	<i>Bionano Frontiers</i> (2010)	National Print ISSN 0974-0678, Online : 2320-9593	
From Editorial Desk - International Organization for Standardization.	Moitreyee Saha	<i>Bionano Frontiers</i> (2011)	National Print ISSN 0974-0678, Online : 2320-9593	
An important Nutraceutical fruit plant.	M. Saha	<i>Bionano Frontier</i> (2013)	National Print ISSN 0974-0678, Online : 2320-9593	
An overview of <i>Lawsonia inermis</i> L.: A natural dye plant	Snehal S. Phirke and Moitreyee Saha	<i>Bionano Frontier</i> (2013)	National Print ISSN 0974-0678, Online : 2320-9593	
Nutrition management during chemotherapy	Moitreyee Saha	<i>Bionano Frontier</i> (2014)	National Print ISSN 0974-0678, Online : 2320-9593	
Storage and seed germination of seeds in <i>Lawsonia inermis</i> L.	Snehal S. Phirke and Moitreyee Saha	<i>Bionano Frontier</i> (2014)	National Print ISSN 0974-0678, Online : 2320-9593	
<i>In vitro</i> seed germination of <i>Lawsonia inermis</i> L.	Snehal S. Phirke and Moitreyee Saha	<i>Bionano Frontier</i> (2014)	National Print ISSN 0974-0678, Online : 2320-9593	

Determination of lawsone by HPTLC in <i>Lawsonia inermis</i> L. callus and plantlets regenerated <i>in vitro</i> .	Snehal S. Phirke and Moitreyee Saha	<i>Asian Journal of Chemistry</i> (2014)	International Print ISSN 0970-7077, Online : 0975-427X	https://www.ugc.ac.in/journallist/subjectwisejurnallist.aspx?tid=QXNpYW4gSm91cm5hbCBvZiB DaGVtaXN0cnk=&&did=Q3Vy cmVudCBhbmQgQ2Vhc2VkIFRpdGxlcw==
Evaluation of preliminary phytochemical analysis and Antioxidant activity: <i>Lawsonia inermis</i> L.	Snehal S. Phirke and Moitreyee Saha	<i>Bionano Frontier</i> (2014)	National Print ISSN 0974-0678, Online : 2320-9593	
Holistic Healing in Cancer Care	Moitreyee Saha	<i>Bionano Frontier</i> (2015)	National Print ISSN 0974-0678, Online : 2320-9593	
Quantitative estimation of lawsone in field grown and marketed sampled of henna using HPTLC.	Snehal S. Phirke and Moitreyee Saha	<i>Bionano Frontier</i> (2015)	National Print ISSN 0974-0678, Online : 2320-9593	
Green tea as a health beverage: A review.	Moitreyee Saha	<i>Bionano Frontier</i> (2015)	National Print ISSN 0974-0678, Online : 2320-9593	
Probiotics in Cancer Care.	Moitreyee Saha	<i>Bionano Frontier</i> (2016)	National Print ISSN 0974-0678, Online : 2320-9593	

Mobile Phones of roadside food vendors: An Exogenous source of infections.	Patil Vaishali G., Sonawane Adhiraj A., Gaikwad Shraddha N. and Saha Moitreyee	<i>International Journal of Life Sciences</i> (2016)	International Print ISSN 2348313X Online:23483148	
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14. Books and chapters in edited volumes/books :

Sr. No.	Title of the book	Year of publication	Name of the publisher	Relevant link
1.	My date with Cancer	2014	Partridge Publishing ISBN:10: 1482820994 ISBN-13: 978-1482820997	www.amazon.in
2.	The Textbook on Fungi	2015	Bionano Frontier International Publication House ISBN: 978-81-931506-1-0	

15. Papers in National/ International conference proceedings:

Title & Authors of the Research Paper	Title of Conference	Status & ISBN No. of Proceeding	National / International	Relevant link
Antioxidant Activity of Leaves From Field Grown Plants and <i>In Vitro</i> Seedlings of <i>Lawsonia inermis</i> L.	<i>Multidisciplinary International Conference on Green Earth: A Panoramic View</i>	978-81-923 628-5-4	International	http://www.vpmthane.org/
Study of the Mitotic Abnormalities Due to Mercuric Chloride on <i>Allium cepa</i> At Different Concentration.	<i>Multidisciplinary International Conference on Green Earth: A Panoramic View</i>	978-81-923 628-5-4	International	

Comparative Nutritional Analysis of Quinoa, Wheat and Rice	<i>Multidisciplinary International Conference on Green Earth: A Panoramic View</i>	978-81-923 628-5-4	International	http://www.vpmthane.org/
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Isolation and Identification of Fungi From Leaves of <i>Lodoicea maldivica</i>	<i>Multidisciplinary International Conference on Green Earth: A Panoramic View</i>	978-81-923 628-5-4	International	
Phytochemical screening and determination of antioxidant potential of <i>Bauhinia malabarica</i> Roxb.	<i>International Level Conference on Emerging Technologies for Sustainable Agriculture,</i>	978-81-923 628-4-7	International	http://www.vpmthane.org/
Evaluation of some nutritional aspects of uncommon vegetable : Korla	<i>International Level Conference on Emerging Technologies for Sustainable Agriculture,</i>	978-81-923 628-4-7	International	
Mass propagation of two gynodioecious varieties of <i>Carica papaya</i> L. from seedlings regenerated <i>in vitro</i> .	<i>International Level Conference on Emerging Technologies for Sustainable Agriculture</i>	978-81-923 628-4-7	International	http://www.vpmthane.org/
Preliminary phytochemical assesment and antioxidant activity of <i>Eichhornia crassipes</i> (Mart.) Solms.	<i>. International Conference on “Ecosystem Services of Wetlands ‘Ardrabhumi: 2016’</i>	978-81-923 628-3-0	International	
<i>Lawsonia inermis</i> L.: A rainfed ratoon crop	<i>National conference on “Biodiversity: Status and Challenges in Conservation - ‘FAVEO’ 2013</i>	978-81-923628-1-6	National	http://www.vpmthane.org/
Phytochemical screening and free radical scavenging activity in <i>Nelumbo nucifera</i> Gaertn.	<i>National conference on “Biodiversity: Status and Challenges in Conservation - ‘FAVEO’ 2013</i>	978-81-923628-1-6	National	

The Evolutionary Basis of Bioinformatics: An Introduction to Phylogenetic trees.	<i>National Conference on New and Emerging trends in Bioinformatics and Taxonomy "NETBT 2015"</i>	978-81-923628-2-3	National	http://www.vpmthane.org/
A user interface in e-herbarium for automated voice base search	<i>National Conference on New and Emerging trends in Bioinformatics and Taxonomy "NETBT 2015"</i>	978-81-923628-2-3	National	
E-herbarium: An ASP-NET with application in the study of plant specimens enabling plant identification.	<i>National Conference on New and Emerging trends in Bioinformatics and Taxonomy "NETBT 2015"</i>	978-81-923628-2-3	National	
Chromatographic fingerprint analysis of 2 – Hydroxy-1,4-naphthaquinone from <i>Lawsonia inermis</i> L. using HPTLC technique	<i>National Symposium on "Phytochemistry: Recent Trends and Challenges"</i>		National	
<i>In vitro</i> culture study as a support for the commercial production of <i>Carica papaya</i> L.	<i>Proc. National Conference on Human Health and Nutrition: A Biotechnological Approach.</i>		National	

Other Details:

1. Life member of Society for Science and Environment
2. Life member of mangrove society of India MSI
3. Member of NGO World vision