


	Title	First Name	Last Name	Photograph	
Name	Dr.	Payel	Paul		
Designation	Assistant Professor				
Educational Qualification	M.Sc. (Botany), Ph.D.  Ph.D. awarded in 2020 [Title of the thesis: “Studies on Systematics of some members of Polygonaceae A. Jussieu in West Bengal, India”].				
Date of Joining	September 01, 2020				
Department	Department of Botany				
Address					
Local	Flat No. G3, Agomoni, 26 B. M. Sarani, Mahananda Para, Siliguri, Dist: Darjeeling, West Bengal - 734001				
Permanent	Charuvilla, Aurobinda Pally Main Road, Siliguri, Darjeeling 734006				
Phone Numbers				PAN	
Office				Cell Phone	+91 9832501686
Email	payel010191@yahoo.com; payel_bot@nbxc.org				
Fax					
Research Interests	Plant Systematics, Floristics, Palynology, Ecology, Plant Morphology, Plant Anatomy, Medicinal Plants, Phenology, Ethnobotany, Molecular Systematics				
Research Guidance (PhD)	Nil [till date]				
Research Guidance (Master’s Theses)	N. A.				
Awards/ Medal	<ul style="list-style-type: none"><li>Received Young Scientist Award on International Conference on Advances in Plant, Microbes and Agricultural Sciences held at Department of Botany, University of North Bengal from 2nd – 4th March, 2023</li><li>Received University Medal for Securing 1st Class 2nd in M.Sc. (Botany) Examination, 2014 conducted by the University of North Bengal.</li></ul>				
Professional Achievement	<ul style="list-style-type: none"><li>Received Post-Graduate Indira Gandhi Scholarship for Single Girl Child from 2012 – 2014.</li></ul>				

	<ul style="list-style-type: none"> <li>Received UGC BSR Fellowship [Ref. No.: No. F. 25-1/2013-14 (BSR)/7-132/2007 (BSR) Dated. 30th May, 2014] from 2015 – 2020.</li> <li>Working as moderator and paper setter of Botany honours and general papers theoretical examinations of University of North Bengal from 2021 onwards.</li> <li>Working as moderator of ENVs papers of theoretical examinations of University of North Bengal from 2023 onwards.</li> <li>Conducted Honours and General UG Practical Examinations in Botany as Internal and External Examiner (in different colleges and universities) from 2021 onwards.</li> <li>Evaluated theoretical and practical papers of Botany Honours and General from 2021 onwards.</li> <li>Worked as Academic Counsellor of life sciences, IGNOU at IGNOU learning support centre 45015 from 2021 – till date.</li> <li>Conducted One day Hands on Training Programme on “Digital Herbarium” organized by Department of Botany, North Bengal St. Xavier’s College dated 9<sup>th</sup> February, 2023 as organizing secretary.</li> <li>Conducted One day Seminar cum Workshop on “Recent Trends in Bioinformatics” organized by Department of Botany, North Bengal St. Xavier’s College dated 11<sup>th</sup> March, 2023 as organizing secretary.</li> <li>Acted as resource person and judge the events of School Science Congress “SRINNOVISION” organized by Sri Sri Academy dated 4<sup>th</sup> August, 2023.</li> </ul>
<b>ADMINISTRATIVE RESPONSIBILITIES</b>	<ul style="list-style-type: none"> <li>Member of Social Service Cell, NBSXC from September 2021.</li> <li>Member of National Service Scheme (NSS), NBSXC from July 2022</li> <li>Member of Women Cell, NBSXC from July 2023</li> </ul>
<b>SELECT LECTURES DELIVERED AT UGC REFRESHER COURSES/ICSSR RESEARCH METHODOLOGY COURSES</b>	
<b>ICSSR Research Methodology Course Lectures</b>	
<b>UGC Refresher Course Lectures</b>	
<b>SELECT PUBLICATIONS</b>	
<b><i>Some Major Research Articles In Journals</i></b>	<p>Total number of publications : <b>15</b> [12 Full papers / 03 Books]</p> <p><u>List of major publications</u></p> <ul style="list-style-type: none"> <li><b>2022.</b> <i>Tree Diversity in Tropical Moist Deciduous Forests of Gorumara National Park, India</i> <b>Indian Forester</b> Vol. 148 Page</li> </ul>

	<p>1079-1093. ISSN 0019-4816. [Indian Council of Forestry Research and Education; IF 0.666]</p> <ul style="list-style-type: none"> <li>• <b>2022.</b> <i>Light and scanning electron microscopic characterization of pollen grains of some wetland angiosperms from India.</i> <b>Microscopy Research &amp; Techniques</b> doi:10.1002/jemt.24118. [Willey; IF 2.769]</li> <li>• <b>2021.</b> <i>Diversity of Arboreal Spermatophytes in three MPCAs of India: With Special Reference to West Bengal.</i> <b>Indian Forester</b> Vol. 147 Page 1145-1154. ISSN 0019-4816. [Indian Council of Forestry Research and Education; IF 0.666]</li> <li>• <b>2021.</b> <i>Foliar micromorphology as a tool for identification of Indian taxa of Polygonaceae.</i> <b>Journal of Asia-Pacific Biodiversity</b> Vol. 14 Page 569-589. ISSN 2287-884X. [Elsevier; IF 0.92]</li> <li>• <b>2020.</b> Pollen morphology of selected Indian species from subfamily Polygonoidae (Polygonaceae). <b>Biologia.</b> Vol. 75, Page 1083-1095. ISSN 1336-9563. [Springer; IF 1.350]</li> <li>• <b>2020.</b> <i>Economically significant aquatic plants of Jalpaiguri District, West Bengal, India.</i> <b>Ecobiotech Journal.</b> doi: 10.31163/2618-964X-2020-3-3-540-548.</li> <li>• <b>2019.</b> <i>Diversity of members of Polygonaceae from West Bengal, India.</i> <b>Plant Archives.</b> Vol. 19 No (S2) Page 157–164. ISSN 2581-6063. [IF 0.01]</li> <li>• <b>2018.</b> <i>Understanding the role of calcium elicitors and their cross-talk with hormones on growth form, biochemical and antioxidant attributes of Drosera burmanni Vahl under insitu condition.</i> <b>Biochemical &amp; Cellular Archive.</b> Vol. 18, No (2) Page 1661 – 1670. ISSN 0976-1772. [Connect Journal; IF 0.5]</li> <li>• <b>2016.</b> <i>Persicaria chinensis (Linnaeus) H. Gross var. Hispida (Hooker f.) Kantachot (Polygonaceae): A new distributional record for West Bengal, India.</i> <b>Asian Journal of Biological and Life Sciences.</b> Vol. 5, No (3) Page 260–262. ISSN 2278-5957. [PBS Journal; IF 0.1]</li> <li>• <b>2016.</b> <i>Study of foliar micro-morphology of eight species of Persicaria P. Miller (Polygonaceae) from India.</i> <b>Pleione.</b> Vol. 10, No (1) Page 14–22. ISSN 0973-9467.</li> <li>• <b>2016.</b> <i>Vascular plants association in Gabgachi-Bhatia wetland complex in Maldah district of West Bengal, India.</i> <b>Journal of Advanced Plant Sciences.</b> Vol. 8, No (1) Page 1–16. ISSN 0971-9350. [Botanical Society of Assam]</li> </ul>
Select Chapter's in Edited Volume	
Book Monograph/	<p><b><u>BOOKS AUTHORED</u></b></p> <ul style="list-style-type: none"> <li>• <b>2020.</b> Herbarium Technique: Evolution from Conventional to</li> </ul>

<b>Edited Book</b>	<p>Digitization. Orange Books Publication. ISBN: 978-93-90169-61-0</p> <ul style="list-style-type: none"> <li>• <b>2020.</b> BASIC BIO-CHEMISTRY: A fundamental concept for the Beginners. H.S.R.A Publications. ISBN: 978-81-946759-5-2</li> <li>• <b>2020.</b> Handbook on Bio-Staining Procedures: A Quick Practical Approach. Orange Books Publication. ISBN: 978-93-90169-51-1</li> <li>• <b><u>BOOKS EDITED</u></b></li> </ul> <p><b><u>RESEARCH MONOGRAPHS</u></b></p>
<b>Project</b>	
<b>Book Reviews</b>	<b><u>BOOK REVIEWS</u></b>
<b>PAPER PRESENTED IN SEMINARS/ CONFERENCES</b>	
	<p>No. of seminar/ conference attended: <b>15</b> [04 International /11 National]  Paper presented in seminar/ conference: <b>08</b> [04 International /04 National]</p> <p><b><u>A. Paper presented in International Seminars/Conferences</u></b></p> <ul style="list-style-type: none"> <li>• <b>2023.</b> Presented paper “Study of pollen ultra morphology of some aquatic and semi aquatic herbs from the North Bengal Plains” on International Conference on Advances in Plant, Microbes and Agricultural Sciences. Department of Botany, University of North Bengal. 2<sup>nd</sup> – 4<sup>th</sup> March.</li> <li>• <b>2020.</b> Presented paper on Young Scientist Conference, Indian International Science Festival under the theme Frontiers Area of Research – Life Sciences organized by Ministry of Science and Technology, Ministry of Earth Science and Ministry of Health and Family Welfare, Govt. of India in collaboration with VIBHA. 22<sup>nd</sup> – 24<sup>th</sup> December.</li> <li>• <b>2017.</b> Presented paper on XVII Annual Conference of IAAT &amp; International Symposium on “Plant Systematics: Priorities and Challenges. Department of Botany, Delhi University. 10th-12th November.</li> <li>• <b>2016.</b> Presented paper on International Conference on “The Green Planet: Past, Present &amp; Future”. Department of Botany, University of Calcutta. 21st-23rd December.</li> </ul> <p><b><u>B. Paper presented/ Participated in National/Regional/State Level Seminars and Conferences</u></b></p> <ul style="list-style-type: none"> <li>• <b>2020.</b> Presented paper “Study of systematics of <i>Rumex</i> L.” on New Horizon in Botanical Research held at Department of Botany, University of North Bengal from 20<sup>th</sup> –21<sup>st</sup> February.</li> <li>• <b>2016.</b> Presented paper on National Seminar on “Biodiversity – Prospects and Threats: Present Senario”. Department of Botany, Tufanganj Mahavidyalaya. 26th-27th February</li> </ul>

	<ul style="list-style-type: none"> <li>• <b>2015.</b> Presented paper on National Seminar on “Advances in Biology: Eastern Himalayan Perspective”. Department of Botany &amp; Zoology, Kalimpong College. 3rd-4th October</li> <li>• <b>2015.</b> Participated on National Seminar cum Workshop on Bioinformatics organized by Department of Botany (University of North Bengal) on 12th, 13th &amp; 14th March</li> <li>• <b>2015.</b> Participated in the Workshop on Cultivation of Medicinal &amp; Aromatic Plants organized by the centre for conservation &amp; Utilization of Medicinal &amp; Aromatic Plants, Department of Botany (University of North Bengal) on 10th March.</li> <li>• <b>2015.</b> Participated in 22nd West Bengal State Science &amp; Technology Congress organized by Department of Science and Technology, Govt. of West Bengal and West Bengal Council of Science and Technology on 28 February &amp; 1 March</li> <li>• <b>2014.</b> Participated in the Workshop on Cultivation and Post Harvest Processing of Edible Mushroom organized by Department of Botany (University of North Bengal) on 29th December</li> <li>• <b>2014.</b> Participated &amp; presented in National Symposium on Advances in Plant and Microbial Research organized by Department of Botany (University of North Bengal) on 12th &amp; 13th December</li> <li>• <b>2013.</b> Participated in National Symposium on Recent Trends in Plants and Microbial Research organized by Department of Botany (University of North Bengal) on 22nd &amp; 23rd March</li> </ul>
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### **WEBINARS ATTENDED**

- Participated in 1 day National Webinar on “Research in Medical Sciences: Immunization and Vaccination for Covid 19” organized by Dr. M. C. Saxena group of Colleges, Lucknow on 29<sup>th</sup> June, 2020
- Participated in 1 day National Webinar on “Plant Diversity of Konkan” organized by Department of Botany, Sharadchandra Pawar Mahavidyalaya, Lonand on 29<sup>th</sup> June, 2020
- Participated in 1 day National Seminar on “The great role of botanist in production of high quality authentic ayurvedic / herbal medicine” organized by Department of Botany, Egra Sarada Sashi Bhushan College, Egra, West Bengal on 25<sup>th</sup> June, 2020
- Participated in 3-days long DAVCB-CUPB-INYAS Lecture Workshop ‘#ZeroWaste’ encompassing 9 lectures organized by DAV College, Bathinda, Central University of Punjab, Bathinda and Indian National Young Academy of Sciences, New Delhi between 16<sup>th</sup> to 18<sup>th</sup> June, 2020
- Participated in National webinar on Getting Industry Ready with AI, ML, Robotics & IOT Technologies organized by Dr. M. C. Saxena Group of Colleges Lucknow on 13<sup>th</sup> June, 2020

- Participated in online Botany Quiz and completed the quiz with 76% score organized by Botany Department, Maharshi Dayanand Science College, Porbandar on 12<sup>th</sup> June, 2020
- Participated in National webinar on Rain Water Harvesting in Extreme Weather Conditions organized by Department of Physics in association with IQAC, MVN, JS & RVR College of Arts and Science on 12<sup>th</sup> June, 2020
- Participated in National webinar on Covid-19: Arise in new education Practices organized by Bora Institute of Management Sciences on 12<sup>th</sup> June, 2020
- Participated in 3-days INYAS-CUPB Virtual Workshop #BluePlanet encompassing 7 lectures organized by Indian National Young Academy of Sciences and Department of Geology, Central University of Punjab, Bathinda, India in connection with World Oceans Day held between 7<sup>th</sup> to 9<sup>th</sup> June, 2020
- Participated in national webinar on New Opportunities in Medicinal Plants Sector for Farmers and Entrepreneurs organized by Department of Life Science, Mansarovar Global University on 24<sup>th</sup> May, 2020
- Participated in ational webinar on Molecular Taxonomy and DNA Barcoding: Concepts, Methods and Applications organized by Department of Botany, R. D. & S. H. National College and S.W.A. Science College, Mumbai under the aegis of Internal Quality Assurance Cell (IQAC) on 20<sup>th</sup> May, 2020