



GOVERNMENT GENERAL DEGREE COLLEGE, KESHIARY

PASCHIM MEDINIPUR, PIN 721135, WEST BENGAL

1. Name: DR. NILAY KUMAR MAITRA

2. Designation: Assistant Professor

3. Department: BOTANY

4. Highest academic degree: M.Sc., Ph.D.

5. Specialization: PLANT PHYSIOLOGY AND BIOCHEMISTRY

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8. Date of joining to the service: 28.02.2007

9. Colleges served:

	Name of the College	Affiliated to	From	Till
1	BARASAT GOVT. COLLEGE	CALCUTTA UNIVERSITY & WB STATE UNIVERSITY	28.02.2007	17.04.2012
2	ACHARYA B. N. SEAL COLLEGE	NORTH BENGAL UNIVERSITY & PANCHANAN BARMA UNIVERSITY	18.04.2012	27.06.2016
3	GOVERNMENT GENERAL DEGREE COLLEGE AT KESHIARY, PASCHIM MEDINIPUR	VIDYASAGAR UNIVERSITY	28.06.2016	till date

10. Area of research interest:

- 1 Plant Physiology and Biochemistry
- 2 Plant Taxonomy and Systematics
- 3 Bioinformatics

11. Publications:

Paper/Research article		Book/book-chapter		Citation	ΣIF	h-index	i-index	Abstracts
International	National	International	National					

12. Awards/achievement of special mention:

1 Qualified CSIR-UGC NET (December, 2000)

13. Research project/extramural grant mobilized:

	Funding agency/body	Amount(Rs.)	Name of the research project	From	Till
1	UGC	1,26,000.00	Isolation and Characterization of important enzymes during developmental stages of <i>Pleurotus</i> and <i>Agaricus</i>	Jan-10	Jun-11
2	UGC	3,25,000.00	Foliar Venation Pattern and Foliar Anatomy of Asteraceae: An aid for Identification and Phylogenetic Inference	Mar-15	Mar-17



14. Patent (International/National)

1 Nil

15. Editorial board member/ Reviewer of any journal/literary body:

1 Nil

16. Member of learned society:

1 Life Member of the Botanical Society of Bengal, 35 Ballygunge Circular Road, Kolkata 700019.

17. List of full length publications (selected few):

- 1 **Maitra N. K.** and Sen P. K. 2016, An Approach to Overcome the Total Synthesis of Heliannuol - A. B N Seal Journal of Science. VIII(1): 107 – 113 (ISSN No. 0975-5624)
- 2 **Maitra N. K.** and Mukherjee S. K. 2017, Foliar architecture of Indian *Spilanthes* Jacq. : members of the tribe Heliantheae of Sub family Asteroideae. Global Journal for Research Analysis. 6(3): 644 – 646 (ISSN No. 2277-8160) "IMPACT FACTOR OF GJRA : 5.156 (SJIF-2017)"
- 3 **Maitra M.** and **Maitra N. K.** 2018, Exploitation of the soil Isolates for the production of amino acids. International Journal of Advanced Research in Science and Engineering. 7(2): 651-656 (ISSN: 2319-8354) "IMPACT FACTOR OF IJARSE : 2.83"
- 4 Maity S. K. and **Maitra N. K.** 2019, Cytotoxic Effects induced by the Fungicide Dithane M-45 to Gram (*Cicer arietinum* L.) International Research Journal of Basic and Applied Sciences. 4(1): 52-58 (ISSN: 2455-6718).
- 5 **Maitra N. K.** 2019, Comparative study of foliar venation pattern and foliar anatomy of two species of *Anaphalis* Dc. (Asteraceae). International Research Journal of Basic and Applied Sciences. 4(1): 95-103 (ISSN: 2455-6718).
- 6 **Maitra N. K.** and Sen P. K. 2019, Total Synthesis of Elvirol: An unique Bisabolene Sesquiterpene. International Research Journal of Basic and Applied Sciences. 4(1): 118 -124 (ISSN: 2455-6718).

18. List of published abstract (selected few):

- 1 **Maitra, N. K.** and Mukherjee, S.K. (2017) Comparative study of Foliar Architecture of Two Species of *Anaphelis* DC. (Compositae from North Sikkim). In abstract volume of XXVII Annual Conference of IAAT & International Symposium on PLANT SYSTEMATICS: PRIORITIES AND CHALLENGES held at Department of Botany, University of Delhi, Delhi from 10 – 12 November, 2017.
- 2 **Maitra N. K.** (2018) Distinctive variations in the venation pattern among the members of the tribe Tagetae, Heliantheae and Eupatorieae. In abstract volume of 3rd Regional Science & Technology Congress, 2018, Western Region. 20th to 21st December 2018
- 3 **Maitra, N. K.** (2019) Foliar variation pattern and foliar anatomy of members of the tribe Tagetae, Heliantheae and Eupatorieae. In Abstract volume of One Day National Level Seminar on "Local Biodiversity: Documentation and Conservation". Organised by Department of Botany, Ramnagar College, Debal 721453, Sponsored by West Bengal Biodiversity Board. on 16.03.2019.
- 4 **Maitra, N. K.** (2019) Environmental impact on promotion of members of Asteraceae as invasive alien species in and around Paschim Medinipur district. In Seminar Proceedings of One day National Seminar on "Environmental Change: Challenge and Management". Organised by The Department of Botany Belda College, Belda Paschim Medinipur -721424, on 18.04. 2019.
- 5 **Maitra, N. K.** (2019) 9. Relevance of foliar venation pattern in taxonomic classification of subfamily Asteroideae (Sensu Funk). In Abstract volume of National Seminar on "Frontiers in Biological Sciences: Chapter III". Organised by St. Xaviers College (Autonomous), Kolkata, Indian Institute of Chemical Biology (IICB), Kolkata and Presidency University, Kolkata. on 21st and 22nd September 2019.
- 6 **Maitra, N. K.** (2020) Leaf Architecture: An aid to identify plants from the Tribe Eupatorieae (Sensu Funk). In Abstract volume of Rusa 2.0 (Component 8) sponsored Two Day National Seminar on "Recent Advances in Plant Science" Organised by Department of Botany, Midnapore College (Autonomous), on 2nd and 3rd March 2020

19. List of Seminar/Workshop/Conference/Symposium attended (selected few):

- 1 One Day National Seminar On RECENT ADVANCES IN LIFE-SCIENCE IN THE LIGHT OF CHEMISTRY organized by Department Of Chemistry, Bethun College, Kolkata in collaboration with Royal Society Of Chemistry (Eastern India)
- 2 One Day National Seminar on PATENT AWARENESS jointly organized by IQAC Ramkrishna Mission Vidyamandir, Belur Math, Howrah and Swami Vivekananda Research Centre on 29th September, 2016.
- 3 RUSA funded International Seminar on RECENT TRENDS IN MICROBIOLOGY organized by the Department of Microbiology, Ramkrishna Mission Vidyamandir, Belur Math, Howrah and Swami Vivekananda Research Centre on 14th January, 2017.
- 4 W.B. Biodiversity Board Sponsored National Seminar on LOCAL BIODIVERSITY organized by Department of Botany, Raja Rammohun Roy Mahavidyalaya, Radhanagar, Nangulpara, Hoogly on 30th January, 2018.
- 5 One Day National Level Seminar on "Local Biodiversity: Documentation and Conservation". Organised by Department of Botany, Ramnagar College, Depal 721453, Sponsored by West Bengal Biodiversity Board. on 16.03.2019.
- 6 National Seminar on "Recent Advances in Plant Science" Organised by Department of Botany, Midnapore College (Autonomous), on 2nd and 3rd March 2020.
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20. Special mention (if any):

- 1 Teaching experience: 5 years at PG level; 14 years at UG level.
- 2 Acting as Co-ordinator IQAC, Government General Degree College at Keshiary since July, 2018.