


Curriculum Vitae

<p>Dr. Moumita Malakar</p> <p>Assistant Professor Department of Horticulture & Floriculture School of Life Sciences Central University of Tamil Nadu Thiruvarur – 610005</p>	
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- 1. E-mail:** moumitamalakar@cutn.ac.in (Official); moumitamalakar7@gmail.com
(Personal)
- 2. Phone number:** +91-9836811183/+91-8777351481
- 3. Date of Birth:** 02/12/1987
- 4. Educational Qualification:**
 - Ph.D (Horticulture) (Specialization Floriculture & Landscaping), University of Calcutta, Kolkata, West Bengal, India (2019)
 - M.Sc. Botany, Vidyasagar University, Midnapore, West Bengal, India (2017), 1st Division
 - M.Sc. Horticulture, University of Calcutta, Kolkata, West Bengal, India (2012) (Gold Medalist)
 - B.Sc. Botany, University of Calcutta, West Bengal, India (2010) 1st Division.
- 5. Gender:** Female
- 6. Experience(Academic)**

Nov. 2019 to till date – Assistant Professor, Dept. of Horticulture & Floriculture, School of Life Sciences, Central University of Tamil Nadu, Thiruvarur – 610005. (Pay Scale: Academic level 10).

June 2019 to Sep. 2019 – Assistant Professor, Dept. of Horticulture, Centurion University of Technology & Management, Odisha, India.

August 2018 to December 2018 - Guest Faculty, Dept. of Horticulture, Inst. Of Agricultural Sciences, University of Calcutta, Kolkata, West Bengal, India

March 2015 to Feb. 2016 - Guest Lecturer, Agri-Horticultural society of India (AHSI) [for teaching part of course curriculum of 1year certificate in Horticulture], Kolkata, West Bengal, India.

7. Experience(Research)

Sep. 2018 to Dec. 2018 - Visiting Post-doctoral Researcher, Dept. of Biology & Aquaculture, Trakia University- Stara Zagora, Bulgaria, Europe, Research area: Biological active substance estimation & NIRS [Near Infrared Reflectance Spectroscopy] analysis of flowering crops.

Jan 2019 to April 2019 - Visiting Scientist, Agriculture & Ecological Research Unit (AERU), Indian Statistical Institute (ISI), Kolkata, West Bengal, India, Research area: Molecular characterization of Mungbean varieties.

8. PhD thesis title, Institute/Organization/University, Year of Award:

Title: 'Genetic Relatedness on *Heliconia* species Based on Agro-morphological Traits and DNA Markers with an Accent on its Floral-Biology and Shelf-Life'.

Host Institute: University of Calcutta, Dept. of Horticulture.

Date & Year of Award: 09.01.2019.

9. Honors/Awards:

Received Foreign Travel Grant sanctioned by SERB-DST to attend an ISHS (International Society of Horticultural Sciences) symposium at Guadalajara, Mexico 2019 (October).

Received Foreign Travel Grant (FTR) sanctioned by CSIR-HRDG to attend an International Conference at Timisoara, Romania in May, 2018.

'Diploma Golden Prize' award for outstanding contribution in science in World Agriculture Congress at Timisoara, Romania in May, 2018.

Best Oral presentation award for the paper entitled "Consequences of divergent vase solutions on post harvest durability and quality of *Heliconia* inflorescences" in World Agriculture Congress at Timisoara, Romania in May, 2018.

Received Overseas Endowment Travel Fellowship/ Scholarship by Estate & Trust Officer of University of Calcutta to travel Bulgaria, 2018 (October).

Best Poster Presentation award for the paper titling "An approach.....color preservation.....dehydrated flowers and foliage" in An International Symposium namely 'Eco-efficiency in Agriculture & Allied EDUCATIONAL QUALIFICATION HONORS & AWARDS PROFESSIONAL PROFILE NOVEMBER 2019 Sciences' Nadia, India (EEAAR'17) at Bidhan Chandra Krishi Viswavidyalaya (BCKV) held on January, 2017.

'RAKTIM RANJAN BHAGOWATI MEMORIAL AWARD' for 'Outstanding Student' on the eve of 3rd International Conference on 'Bio-resource & Stress Management' at Jaipur, Rajasthan, India held on November, 2017.

INSPIRE Fellowship by DST, New Delhi, Gov. of India (Full-time National Doctoral Fellowship) in 2013 (July).

Order of Merit 'First' rank holder at M.Sc level examination (Gold Medallist) in 2012 (August).

Appreciation Certificate by Alumni Association of Institute of Agricultural Sciences for securing 'First' position at 'Post- graduate Level Exam' in the Dept. of Horticulture University of Calcutta in 2012 (December).

**10. Publications:
Research papers(15):**

1. Malakar, M., Acharyya, P & Biswas, S. 2020. Molecular characterization of ten Heliconia (Heliconiaceae) genotypes by means of RAPD markers. *Acta Horticulturae*, 1288: 95-102. doi:10.17660/ActaHortic.2020.1288.14. (NAAS Score: 6.7; Impact factor: 0.23, Citations: 0, Reads:4)
2. Malakar, M., Acharyya, P & Biswas, S. 2020. Discernment of pollen grain fertility and stigma receptivity applying Hasty-Easy techniques of Heliconia L. species under optical microscope. *Acta Horticulturae*, 1288: 139-148. doi:10.17660/ActaHortic.2020.1288.21 (NAAS Score: 6.7; Impact factor: 0.23, Citations: 0, Reads:7)
3. Malakar, M., Acharyya, P. and Biswas, S. 2019. Consequences of divergent vase solutions on postharvest durability and quality of Heliconia inflorescences. *Acta Horticulturae*. 1256: 77-94. doi: 10.17660/ActaHortic.2019.1256.12 (NAAS Score: 6.7; Impact factor: 0.23, Citations: 1, Reads:28)
4. Malakar, M., Acharyya, P. and Biswas, S. 2019. Rejoinder of diverse organic growth media on agro- morphological attributes of nine Heliconia species and varieties under West-Bengal condition. *Journal of Crop & Weed*. 15: 35-44. (NAAS Score: 5.28; Citations: 1, Reads:21)
5. Malakar, M., Acharyya, P. and Biswas, S. 2019. Genetic variability and correlation studies in Heliconia genotypes for yield and floral biology allied attributes. *Journal of Crop & Weed*, 15:64-72. (NAAS Score: 5.28; Citations: 0, Reads:6)
6. Malakar, M., Acharyya, P. and Biswas, S. 2019. Effect of different media for dehydration of some ornamental flowers. *Acta Horticulturae*. 1255, 157-166. (NAAS Score: 6.7; Impact factor: 0.23, Citations: 0, Reads:26)
7. Malakar, M., Acharyya, P. and Biswas, S. 2019. Effect of silver nitrate and sucrose on the vase life of Gerbera (*Gerbera jamesonii* H. Bolus) cut flowers. *Journal of Crop & Weed*. 15: 46-51. (NAAS Score: 5.28; Citations: 3, Reads: 184)
8. Malakar, M., Acharyya, P. and Biswas, S. 2018. Effect of different pulsing treatments on longevity and freshness of some decorative cut foliage. *Journal of Crop & Weed*. 14: 49-56. (NAAS Score: 5.28; Citations: 0, Reads:77)
9. Malakar, M., Acharyya, P. and Biswas, S. 2017. An approach to color preservation of some dehydrated flowers and foliage. *Journal of Crop & Weed*. 13: 118-125. (NAAS Score: 5.28; Citations: 0, Reads:1202)

10. Malakar, M., Acharyya, P. and Biswas, S. 2017. Effect of certain chemicals on post-harvest life of some cut foliages. *International Journal of Agriculture Environment & Biotechnology*. 10: 199-207. (NAAS Score: 4.69; Citations: 2, Reads:24)
11. Malakar, M., Acharyya, P. and Biswas, S. 2016. Effect of different chemicals on the post-harvest life of three ornamental palms. *International Journal of Agriculture & Environmental Research*. 2: 487-498. (Impact Factor: 1.3, Citations: 0, Reads:94)
12. Malakar, M., Acharyya, P. and Biswas, S. 2016. Evaluation of Heliconia species based on agro- morphological traits. *International Journal of Agriculture Environment & Biotechnology*. 8: 957-964. (NAAS Score: 4.69; Citations: 3, Reads:109)
13. Malakar, M., Acharyya, P. and Biswas, S. 2016. Standardization of dehydration techniques of some ornamental foliages. *International Journal of Agriculture Environment & Biotechnology*. 9: 555-562. (NAAS Score: 4.69; Citations: 0, Reads:386)
14. Malakar, M., Acharyya, P. and Biswas, S. 2016. Micropropagation of commercially feasible foliage ornamental plants. *Indian Agriculturist*. 60:39-44. (NAAS Score: 4.11; Citations: 0, Reads:102)
15. Malakar, M., Acharyya, P. and Biswas, S. 2015. Evaluation on storage materials and pre-sowing treatments on the germination of some flowering annual seeds. *Indian Agriculturist*. 58: 161-167. (NAAS Score: 4.11; Citations: 0, Reads:97)

Reviews, Book Chapters & Popular Articles (9):

1. Chowdhuri, T.K., Das, S., Das, P.K. and **Malakar, M.** (2021) Gladiolus. In: Co-author. Chapter 7 Jaya Publishing House, Delhi (India), ISBN. 9789390309566 (2021), Textbook on Floriculture Volume: 1.
2. **Malakar M.**, Biswas S. (2021) *Heliconias*: Dramatic Flowers of the Tropics and Subtropics. In: Datta S.K., Gupta Y.C. (eds) Floriculture and Ornamental Plants. Handbooks of Crop Diversity: Conservation and Use of Plant Genetic Resources. **Springer, Singapore**. https://doi.org/10.1007/978-981-15-1554-5_26-1.
3. **Malakar M.**, Biswas S. (2021) *Mirabilis*: Medicinal Uses and Conservation. In: Datta S.K., Gupta Y.C. (eds) Floriculture and Ornamental Plants. Handbooks of Crop Diversity: Conservation and Use of Plant Genetic Resources. **Springer, Singapore**. https://doi.org/10.1007/978-981-15-1554-5_28-1.
4. **Malakar, M.** 2020. Dried rose petals: from kitchen to boudoir. *Indian Horticulture* (Magazine) (**Accepted**). ISSN: 0019-4875.

5. **Malakar, M.** 2020. False-Bird-of-Paradise: A Striking Bloom. *Indian Horticulture* (Magazine) Vol. 65 No. 6, ISSN: 0019-4875.
6. **Malakar, M.**, Acharyya, P. and Biswas, S. 2018. Standardization of dehydration techniques of some ornamental foliage. In: Author. Chapter 11 **New York: Apple Academic Press**; distributed by **CRC Press Taylor & Francis Group**, ISBN: 9781771886475, (2018), Sustainable Horticulture, Volume 2:: Food, Health, and Nutrition, p. 139-149.
(Link: <https://www.appleacademicpress.com/sustainable-horticulture-2-volume-set-volume-1-diversity-production-and-crop-improvement-br-volume-2-food-health-and-nutrition/9781771886499>)
7. **Malakar, M** and Acharyya, P. 2017. Versatility of rambling rose thickets. The Indian Rose Annual XXXIII 2017; The Indian Rose Federation. p. 111-117. ISSN: 0567-7572.
8. **Malakar, M.**, Acharyya, P. and Biswas, S. 2017. Vertical gardening for enlivening the ambiance. *Journal of Crop & Weed*. 13: 89-93. (NAAS Score: 5.38; Citations: 2, Reads: 1691)
9. **Malakar, M.**, Acharyya, P. and Biswas, S. 2016. Environment friendly natural turf for more comfort for users: A Review. *IOSR: Journal of Agriculture & Veterinary Sciences*. 9: 9-15. (Impact factor: 3.26, Citations: 0, Reads: 191)
10. **Malakar, M.**, Acharyya, P. and Bhargava, R. 2015. Xeriscaping in arid climate: A Review. *Journal of Arid Horticulture*. 10: 1-12. (NAAS Score: 3.11; Citations: 0, Reads: 69)

Any other information:

Seminars/Symposium/workshop attended (2020-current date)

1. Served as **Co-Chairperson** in the international conference on "Recent Trends in Agriculture Towards Food Security and Rural Livelihood" held on 3rd-4th of January, 2020 in the Faculty of Agriculture, Annamalai University, Annamalainagar, Tamil Nadu, India-608002.
2. Delivered an **Oral presentation** (virtually) on the topic entitled "Comparative Study of Intact and Husked Seeds of Sunflower (*Helianthus annuus* L.) Summoned from India and Bulgaria for the Estimation of Qualitative Factors Using Near-Infrared Reflectance Spectroscopy" at IV. International Symposium on Horticulture in Europe (SHE) at **Stuttgart, Germany** during March, 2021.

Invited lecture(s):

1. Delivered a presentation as an '**Invited Speaker**' on the topic entitled '**Flowers soothe mental health under pandemic condition**' in a 'Webinar on Plant Science' (virtually) at Tokyo, Japan during Sep., 2020.
2. Delivered a lecture as a '**Resource Person**' on the topic entitled '**The role of green chemistry in controlling environmental pollution**' at the event of **UGC STRIDE Free Virtual FDP** on "Mitigating Climate Change" From 26thApril 2021 to 6thMay 2021.
3. Delivered an '**Invited Special lecture**' on 'Post-harvest handling of major cut & loose flowers' during May, 2021 virtually to the students of B.Sc in Botany (Honours) of Shyampur Shiddheswari Mahavidyalaya, Howrah, West Bengal.

Seminars/symposium/workshop attended (2013-2019)

International level (in abroad + within India): 9 NationalLevel: 8 State level:1

PROFESSIONAL TRAININGS ATTENDED:

1. Training program on "Organic farming" from 23rdto 24thFebruary, 2015 at Institute of Agricultural Science, University of Calcutta(IAS,C.U),Kolkata, W.B organized by West Bengal Academy of Science & Technology(WAST).
2. Participation in discussion on "Sustaining Soil Health in Ensuring Food Security" held at National Institute of Research on Jute & Allied Fibre Technology (NIRJAFT), Kolkata during 21st & 22ndNovember,2013.
3. Participation in discussion on "Botanical Resources & Human Welfare" held at Dept. of Botany, Ramakrishna Mission Centenary College, Rahara in collaboration with Dept. of Botany, Brahmananda Kesab Chandra College on 6thSeptember,2013.