



# MANISHA SARKAR

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## PERSONAL INFORMATION

**NAME** : MANISHA SARKAR  
**GENDER** : FEMALE  
**DATE OF BIRTH** : 11-10-1993  
**NATIONALITY** : INDIAN  
**RELIGION** : HINDU  
**SPOKEN LANGUAGES** : BENGALI, ENGLISH, HINDI  
**PERMANENT ADDRESS** : VILL- SAHEBKACHHARI;  
P.O+ P.S - BALURGHAT;  
DISTRICT- DAKSHIN DINAJPUR;  
PIN- 733101;  
STATE- WEST BENGAL, INDIA

## ACADEMIC QUALIFICATION

*Perusing* **'Ph.D. in Botany'** from University of Gour Banga, Malda – 732 103, West Bengal, India.

*2015-2017* **'M.Sc. in Botany'** (Specialization in Biochemistry & Plant Physiology) from University of Gour Banga, Malda, India.

*2012– 2015* **'B.Sc. in Botany'** from Balurghat College (University of Gour Banga), Malda, India.

*2011* **10+2** from Khadimpur Girls' High School, West Bengal Board of higher Secondary Education, India.

*2009* **10<sup>th</sup>** from Khadimpur Girls' High School, West Bengal Board of higher Secondary Education, India.

## ACADEMIC ACHIEVEMENTS

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Qualified Joint **CSIR-UGC National Eligibility Test (NET)** for Junior Research Fellowship (JRF) and for Lecturership (LS) in 2018.

Qualified The West Bengal College Service Commission Twentieth **State Eligibility Test (SET)** for the post of Assistant Professor of Colleges and Universities in 2018.

Secured first position at the Master of Science (Honours) in Botany final examination, 2017.

Awarded Gold Medal for securing first position at the Bachelor of Science (Honours) in Botany exam 2015, at the first Convocation of University of Gour Banga, Malda.

## WORK EXPERIENCE

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Presently working as **Assistant professor in the Department of Botany**, Kaliachak College, Sultanganj, Malda, West Bengal, India since 26<sup>th</sup> August, 2019.

Former **CSIR Junior Research Fellow** at Laboratory of Applied stress biology, Department of Botany, University of Gour Banga, Malda-732101, West Bengal, India.

## CHAPTER IN EDITED BOOK/REVIEW

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**"Impact of tropospheric ozone pollution on wheat production in Southeast Asia: an update."** In Global Climate Change, pp. 235-266. Elsevier, 2021. ISBN: 978-0-12-822928-6  
<https://doi.org/10.1016/B978-0-12-822928-6.00008-3>

**"Phytoremediation: An Eco-friendly, Sustainable Solution for Indoor and Outdoor Air Pollution."** In Innovative Bio-Based Technologies for Environmental Remediation, pp. 155-195. CRC Press. 2022. eBook ISBN: 9781003004684.

**"Reactive Oxygen Species (ROS) and Reactive Nitrogen Species (RNS) in plants—maintenance of structural individuality and functional blend."** In Advances in Redox Research, 5, 100039. 2022.  
<https://doi.org/10.1016/j.arres.2022.100039>

## **PRESENTED/PARTICIPATED IN SEMINARS/ WEBINARS**

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**Use of Ethylene diurea (EDU) in assessing the impact of tropospheric ozone on growth and productivity of Yard long bean [*Vigna unguiculata* (L.)Walp]**, International Seminar on Current Avenues in Microbial and Plant Sciences (CAMPS 2019), organized by Dept. of Botany, University of Gour Banga, Malda, West Bengal, India from 23<sup>rd</sup>-25<sup>th</sup> February,2019.

National seminar on “Transgenic crops: Trends and Threats” organized by IQAC and Department of Biotechnology, JSS college for Women (Autonomous), Saraswathipuram, Mysuru-09 on 5<sup>th</sup> August,2020.

National Seminar on “Understanding the environment, Ecology and Social aspects of Indian Sundarbans” organized by IQAC, Eminent College of Pharmaceutical Technology, Barasat, Kolkata-700126 on 7<sup>th</sup> July,2020.

International webinar on “The world of Plants Its impact on indigenous people, society and biosphere” Organized by Department of Botany, Government General Degree College, Mohanpur, Paschim Medinipur, West Bengal-721436, India on 18<sup>th</sup> and 19<sup>th</sup> November,2020.

International webinar on “Recent Trends in Biochemistry and Structural Biology” organized by Department of Molecular Biology and Biotechnology, Sripat Singh College, Jiaganj, West Bengal on 2<sup>nd</sup> August,2020.

National webinar “Microbiome - Perceptions and Perspective” Organized by Biotechnika Info Labs Pvt Ltd on 27 June 2020.

National webinar on “ HPTLC- Theory, Instrumentation and Application” organized by Department of Pharmaceutical Sciences and Technology, AKS University, Satna, MP,India on 3<sup>rd</sup> July,2020.

National webinar on “Current Trends in Basic Sciences and Career Opportunities” organized by Department of Botany, Chemistry and IQAC, BMMV on June 25<sup>th</sup> and 26<sup>th</sup> June,2020.

National webinar on “Medicinal Plants : An Antiviral Approach” organized by Department of Botany In Collaboration with IQAC, Yogoda Satsanga Palpara Mahavidyalaya, Palpara, Purba Medinipur-721458, West Bengal on 29<sup>th</sup> September,2020.

National webinar on “Plant Science in New Era Part-I” organized by Department of Botany, Kabi Nazrul College, Murarai, Birbhum, West Bengal on 19<sup>th</sup> August,2020.

## **WORKSHOPS ATTENDED**

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**“Faculty Induction/Orientation Programme for “Faculty in Universities/Colleges/Institutes of Higher education”** organized by Teaching Learning Centre, Ramanujan College, University of Delhi under the aegis of Ministry of Education, Government of India from 16<sup>th</sup> April-15<sup>th</sup> May, 2021

**“Training Programme on Academic Leadership organized by Centre for Academic Leadership and Education Management (CALEM)”** at UGC HRDC, Aligarh Muslim University, Aligarh from 24<sup>th</sup>-31<sup>st</sup> March, 2021

**“Faculty Development Programme on Data Analysis using SPSS organized by Teaching Learning Centre”**, Ramanujan College, University of Delhi under the aegis of Ministry of Education, Government of India from 25<sup>th</sup> -31<sup>st</sup> May, 2021.

**“Interdisciplinary Refresher Course on Science and Technology”** organized by the UGC Human Resource Development Centre, Mizoram University from 28<sup>th</sup> September-11<sup>th</sup> October,2021.

**“Workshop on NEP 2020 Implementation”** organized by the UGC Human Resource Development Centre, Aligarh Muslim University, Aligarh from 26<sup>th</sup> August-27<sup>th</sup> August, 2022.

**“One day National Workshop on Teaching Profession & Promotions”** organized by Kaliachak College on 19<sup>th</sup> September,2022.

**“Faculty Induction Programme”** organized by the UGC Human Resource Development Centre, Aligarh Muslim University, Aligarh from 1<sup>st</sup> November-5<sup>th</sup> December, 2022.

**“Subject Refresher Course on Environmental Studies”** organized by the UGC Human Resource Development Centre, Aligarh Muslim University, Aligarh from 16<sup>th</sup> March- 29<sup>th</sup> August, 2023.

**“Applied and Basic Aspects In Plant Sciences for Sustainable Future”** organized by Department of Botany, Baburaoji Adaskar Mahavidyalaya, Kaji Beed (MS) on 20<sup>th</sup> February,2024

**“Short Term Course on Information & Communication Technology for Teaching & Learning”** organized by the UGC Human Resource Development Centre, Aligarh Muslim University, Aligarh from 16<sup>th</sup> March- 22<sup>nd</sup> March, 2024.