

CURRICULUM VITAE

NAME: SAIKAT SAHOO
PRESENT DSIGNATION: ASSISTANT PROFESSOR
DEPARTMENT OF BOTANY
KRISHNA CHANDRA COLLEGE
HETAMPUR, BIRBHUM
WEST BENGAL, INDIA



DATE OF JOINING: 18.9.2020

CONTACT INFORMATION: DEPARTMENT OF BOTANY, KRISHNA CHANDRA COLLEGE
HETAMPUR RAJBATI, HETAMPUR, BIRBHUM, WEST BENGAL
PIN- 731124
EMAIL ID- saikatsahoo1992@gmail.com
MOBILE- +919748193554

ACADEMIC HISTORY: B.SC., DEPARTMENT OF BOTANY, WEST BENGAL STATE
UNIVERSITY (2014)
M.SC., DEPARTMENT OF BOTANY, WEST BENGAL STATE
UNIVERSITY (2016)
Ph.D., DEPARTMENT OF BOTANY, UNIVERSITY OF
CALCUTTA (2017- PRESENT)

TEACHING EXPERIENCE: FROM 18.9.2020 TO TILL DATE

SPECIALIZATION: GENETICS AND GENOMICS

ACHIEVEMENTS&AWARDS: QUALIFIED CSIR-UGC NET JRF (2016)
CSIR-NET JUNIOR RESEARCH FELLOWSHIP (2017-2019)
CSIE-NET SENIOR RESEARCH FELLOWSHIP (2019-2020)

SEMINARS/WORKSHOPS/ CONFERENCES:

INDIA

1. NEME: WORKSHOP ON "ELECTRON MICROSCOPY AND ITS APPLICATION IN MATERIAL SCIENCE & BIOLOGICAL SCIENCE"
VENUE: DEPARTMENT OF INSTRUMENTAL SCIENCE, JADAVPUR UNIVERSITY
DATE: 29-30TH JANUARY, 2018
2. NAME: FORTIERS IN BIOTACHNOLOGY

- PRESENTED A POSTER: "INVESTIGATION OF HOST CELL RESPONSE UPON EXPOSURE TO *Alternaria alternata* TOXIN IN TOBACCO BY-2 SUSPENSION CELLS "
 VENUE: DEPARTMENT OF BIOTECHNOLOGY, ST. XAVIER'S COLLEGE, KOLKATA
 DATE: 12TH OCTOBER, 2018
3. NAME: APPLICATION OF ADVANCED TOOLS AND TECHNOLOGY IN PLANT BIOLOGY
 VENUE: DEPARTMENT OF BOTANY, UNIVERSITY OF CALCUTTA
 DATE: 6TH MARCH, 2019
 4. NAME: INTERNATIONAL CONFERENCE ON EXPLORING THE SCOPE OF PLANT GENETIC RESOURCES
 PRESENTED A POSTER: "AN INVESTIGATION OF CELL DEATH PATHWAYS IN *Nicotiana tabacum L.* UPON EXPOSURE TO NICKEL OXIDE NANO PARTICLE"
 VENUE: DEPARTMENT OF BOTANY, UNIVERSITY OF KERALA
 DATE: 22-24TH MAY, 2019
 5. NAME: NATIONAL SEMINAR ON "ADVANCENMENT IN PLANT SCIENCES: AN INSIGHTS"
 VENUE: DEPARTMENT OF BOTANY, UNIVERSITY OF CALCUTTA
 DATE: 30TH SEPTEMBER, 2019
 6. NAME: NATIONAL SYMPOSIUM ON FORTIERS IN PLANT SCIENCE RESEACH
 PRESENTED A POSTER: "GENOTOXICITY IN TOBACCO BY-2 CELLS IN RESPONSE TO FUNGAL TOXINS ALLUDES TO KEY EVENTS IN HOST-PATHOGEN INTERACTIONS"
 VENUE: DEPARTMENT OF BOTANY, UNIVERSITY OF CALCUTTA
 DATE: 10TH JUNE, 2022
 7. NAME: 1ST BOTANICAL CONGRESS 2023 (AN INTERNATIONAL MEET)
 ORAL PRESENTATION: "FUNGAL TOXIN INDUCES ROS ACT AS SIGNALS THAT MODULATE STRESS RESPONSES AND PROGRAMMED CELL DEATH IN TOBACCO BY-2 CELLS"
 VENUE: DEPARTMENT OF BOTANY, UNIVERSITY OF CALCUTTA
 DATE: 23-25TH MARCH, 2023
 8. NAME: REGIONAL SEMINAR ON "INTELLECTUAL PROPERTY RIGHTS WITH FOCUS ON COPYRIGHT & PATENTS"
 VENUE: KRISHNA CHANDRA COLLEGE, BIRBHUM
 DATE: 12TH MAY, 2023

FOREGIN

1. NAME: INTERNATIONAL CONFERENCE ON "INTEGRATIVE PLANT PHYSIOLOGY"
 PRESENTED A POSTER: "INVESTIGATION OF EFFECT OF ENGIEERED NICKEL OXIDE NANOPARTICLE IN *Nicotiana tabacum L.* WITH EMPHASIS ON CELL DEATH CASCADES
 VENUE: SITGES, SPAIN
 DATE: 27-29TH OCTOBER, 2019

PAPER

1. Manna, I., Sahoo, S., & Bandyopadhyay, M. (2021). Effect of Engineered Nickel Oxide Nanoparticle on Reactive Oxygen Species–Nitric Oxide Interplay in the Roots of *Allium cepa* L. *Frontiers in plant science*, 12, 586509.
2. Manna, I., Sahoo, S., & Bandyopadhyay, M. (2023). Dynamic changes in global methylation and plant cell death mechanism in response to NiO nanoparticles. *Planta*, 257(5), 93.