CURRICULUM VITAE

PERSONAL DETAILS	PHOTO
Name: Dr. Alfa Sarita Mohanty **Position:** Assistant Professor of Botany **Address:** Department of Botany Bhadrak Autonomous College **Email**: salfamohanty7@gmail.com	

TEACHING EXPERIENCE:

Position held	Name of the Institute	Joining	held Up to
Assistant Professor	Bhadrak Autonomous College, Bhadrak	31-07-2026	Continuing
Assistant Professor	Govt. Women's College, Kendujhar	12-01-2024	30-07-2026
SSB Lecturer	B.R. Science College, Kendrapara	23-05-2022	11-01-2-024
Assistant Professor Contractual	Regional Institute of Education, Bhubaneswar	02-08-2019	30-04-2022

EDUCATIONAL ACHIEVEMENTS

- Gold Medalist for **1st class 1st in M.Sc. Botany** in 2012th batch from North Odisha University
- Gold Medalist for **Best post graduate in science** in 2012th batch from North Odisha University
- Selected for **DST-INSPIRE (2014) Fellowship** for pursuing Ph.D
- Qualified CSIR NET Life Science
- Qualified GATE Life Science
- Selected for **DST SERB**- ITS for presenting paper in Elsevier conference of *3rd Green and Sustainable Chemistry Conference* at **Berlin, Germany**. May, 2018.

RESEARCH EXPERIENCE:

Degree	Work expertise	Title of work	Period of work
M.Sc. Supervisor **Prof. Umaballava Mohapatra** North Odisha University	Plant Tissue Culture	*In vitro* callus and shoot regeneration from hypocotyls explants of *Linum usitatissimum* L. cv. 'Sharada' and 'V1K299-57'	6 Months
Ph.D. Supervisor **Dr. Bhabani Sankar Jena** Senior Principal Scientist CSIR-IMMT	✓ Plant extract preparation ✓ Green synthesis of Nanomaterials ✓ Characterization of nanomaterials ✓ Animal cell culture ✓ Antioxidant system ✓ Reductive catalysis	*Dillenia indica* bark extract mediated silver, gold and platinum nanoparticles and their biological activities	5 yrs

FDP/ REFRESHER COURSES

1. Refresher Course in Ramanujan College, University of Delhi, MMTTC, from 28th February – 13th March, 2024.
2. Faculty Induction Programme under Malaviya Mission Teacher Training Programme (MM-TTP) of University Grants Commission (UGC) organized by Malaviya Mission Teacher Training Centre, Utkal University, Bhubaneswar from 20th August to18th September 2025.
3. Faculty Development programme on Artificial Intelligence & Smart Technologies for Environmental Sustainability organised by dept. of Physics, University of Science & Technology Meghalaya under the aegis of AADC of AIU from 17th to 22nd June, 2026.

PUBLICATIONS: BOOK/RESEARCH ARTICLES/ BOOK CHAPTERS

1. **Alfa S. Mohanty** and Bhabani S. Jena. "Innate catalytic and free radical scavenging activities of silver nanoparticles synthesized using Dillenia indica bark extract." Journal of Colloid and Interface Science, 496 2017, 513-521.
2. Ashok. K. Nayak and **Alfa. S. Mohanty**. Multi-utility of gold nanoparticles in Cancer. In Current status of Nano Materials for Multi-functional Applications, 2018, 145-182, Alcer Press, Canada.
3. **Alfa. S. Mohanty.** Nanomaterials and conjugates as biomarker; Advanced material for invitro and invivo cell imaging. Nanomaterials and conjugates for Biomedical Applications: An Advanced Material for Diagnosis and Therapeutic Treatment, 2019, Nova Science Publishers. INC, USA.

4. **Alfa S. Mohanty** and Bijayini Sahoo. Floristic Diversity of Govt Women's College Campus: Plants with Medicinal Value. Journal of Pharmacognosy and Phytochemistry 14 (3),2025, 137-143
5. **Alfa.S. Mohanty**. Nutritional and Pharmacological Potential of Millets: An Overview. Journal of Geointerface, Vol. 5,2025, 10–21.
6. Lowrencee Dalai, Suman Kumar Tarai, **Alfa S. Mohanty**. Monitoring Alterations in Mangrove Forests Near Devi Estuary, Odisha Using Remote Sensing and GIS Techniques. Journal of Geointerface, Vol. 5, 2025, 81–89.
7. **Alfa. S. Mohanty.** (2025). Gardening and Vermicomposting (NEP-MDC). Kitab Mahal Publication, Odisha.

CONFERENCE/ WORKSHOP/TRAINING/ SYMPOSIUM

Organising Secretary

- Two days National Conference on Molecular and Geological Perspectives of Biodiversity organized by Department of Botany, Geology and Zoology, Govt. Women's College, Kendujhar on 17th & 18th October 2025.
- One day national Conference on the eve of Science day organized by Science Society, Govt. Women's College, Kendujhar on 28th February 2026.

International Conference presentation	Paper Title	Organization and Time
International conference on Recent Advances In Material Chemistry	"Green synthesis of silver nanoparticle using *Dillenia indica* and evaluation of their catalytic activities" Authors: **Alfa S. Mohanty** & Bhabani S. Jena	Utkal University, Bhubaneswar, India 24-26 Feb, 2017
International conference on Nanomaterials and Nanotechnology	. "Synthesis of D*illenia indica* bark extract mediated silver nanoparticles, their characterization and free radical scavenging activity" Authors: **Alfa S. Mohanty** & Bhabani S. Jena	IAAM in collaboration with VBRI Press AB, Sweden at Vinoba Bhave Research Institute, Allahabad, India 1-3 March, 2017
Elsevier conference of *3rd Green and Sustainable Chemistry Conference*	"Catalytic reduction of 4-nitrophenol and azo dyes by biogenic platinum nanoparticles synthesized using *Dillenia indica* bark extract" Authors: **Alfa S. Mohanty** & Bhabani S. Jena	Intercontinental Berlin, Germany 13-16 May, 2018

Workshop/Training/ Symposium	Techniques/ skills learned	Duration
Research Trainee at Imgenex India Pvt Ltd, Bhubaneswar	Handling of normal and cancer cells, Maintenance, treatment, cell death assays, transfection techniques	1 month, April 2014
Science Administration and Management Workshop at **IISER, Pune organized by Newton Bhaba Fund of British Council India and** conducted by a team of experienced faculty from **Coventry University, UK**	Different skills regarding science administration and Management like project proposal writing, project report writing, communication skills	18th -21st September, 2017.
National Information system for Climate and Environment Studies and its Data Products Workshop organized by National Remote Sensing Centre, **ISRO, Hyderabad**.	Group discussion about the practical issues and problems related to climate and environmental studies	6th April, 2018
BRNS-AEACI Thirteenth School on Analytical Chemistry-2018 (SAC-13) organized by **BARC, Mumbai, India**	Instrumentation and Material characterization theory and practical classes	23rd -30th April, 2018
National Short Term Training Program on "Bioinformatics- Computation in Wet Lab" organized by Bioinformatics Infrastructure Facility, **North-Eastern Hill University, Meghalaya,** **India.**	Hands on training on the bioinformatics software's used in biological research applications	25th Feb-02-2nd March, 2019
20th Indo-US Workshop on Flow Cytometry & Symposium on Advanced Molecular Techniques organized by **Cachar Cancer Hospital & Research Centre, Silchar, Assam**	Instrumentation related to cancer detection and treatment	24th-26th March, 2019.

POSITION HELD IN CURRENT INSTITUTE

- **OIC, ECO-CLUB**
- **MEMBER OF IQAC**
- **MEMBER OF INTERNAL COMPLAINT COMMITTEE**
- **MEMBER OF PURCHASE COMMITTEE**
- **MEMBER OF GREEN CAMPUS CELL**
- **MEMBER OF COLLEGE CANTEEN**