

NAME: DR SAGARIKA PARIDA
Designation: Associate Professor
Qualification: M.Sc. (Botany); Ph. D. (Botany)
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About Me

Dr.SagarikaParida holds a M.Sc. and Doctorated Degree in Botany from Utkal University. She worked as a researcher at NRRI, Cuttack and Dept. of Entomology, OUAT, Bhubaneswar and as Post-doctoral fellow at CSIR-IMMT and also worked as faculty member in RIE (NCERT) Bhubaneswar and KISS University, Bhubaneswar. The focus of her research work has been on plant pathology, integrated pest and disease management,herbal drug standardization(Pharmacognosy), antimicrobial activity and drug discovery.Dr.Parida is having 18 years of teaching and research experience in various reputed Institutions.She has over 74 peer reviewed research papers, reviews and 12 book chapters. Dr. Parida has presented three oral papers at international conferences in India.She has co-edited 3 books.She organized a number ofnational, international conferences and chaired several technical sessions in the conferences, seminars and workshops.

AREA OF INTEREST:

Microbiology, Drug Discovery, Pharmacognosy

COURSES TAUGHT: Microbiology

Herbal Cosmetics Technology
Molecular Biology
Anatomy of Angiosperm
Phycology and Microbiology
Mycology and Plant Pathology

TEACHING EXPERIENCE: 18 years and 8 months

RESEARCH EXPERIENCE:10 years 05 months (**excluding research experience in the teaching period**)

ADMINISTRATIVE/EXECUTIVE EXPERIENCE: 12 years 5 months

- HoD (Both KISS University and CUTM)
- Exam. Committee member (KISS University)
- Question paper moderator for Science stream (KISS University)
- IQAC co-ordinator(CUTM)

AWARDS & HONORS:

Best Guide Award in Poster and Model Making competition on National Science Day Observation organized by School of Applied Sciences and Science Club “ILLUMINATI” 28th Feb., 2018, CUTM, Bhubaneswar.

RESEARCH GUIDANCE: 05

RESEARCH GRANTS: Nil

PUBLICATIONS:

JOURNAL PUBLICATIONS: 74

1. Mishra S, Aamna B, **Parida S***, Dan AK* (2023) Carbon-based biosensors: next-generation diagnostic tool for target-specific detection of SARS-CoV-2 (COVID-19). *Talanta Open*. Apr 25:100218. <https://doi.org/10.1016/j.talo.2023.100218>
2. Dan AK, Aamna B, De S, Pereira-Silva M, Sahu R, Paiva-Santos AC, **Parida S*** (2022) Sericin nanoparticles: future nanocarrier for target-specific delivery of chemotherapeutic drugs. *Journal of Molecular Liquids*. Dec 15;368:120717. <https://doi.org/10.1016/j.molliq.2022.120717>. (IF=6)
3. De S, Dan AK, Sahu R, **Parida S***, Das D* (2022) Total synthesis of natural products using gold catalysis. *Chemistry–An Asian Journal*. Dec 14;17(24):e202200896. <https://doi.org/10.1002/asia.202200896>. (IF=4.568)
4. Dan AK, Biswal B, Das M, **Parida S**, Parhi PK, Das D (2022) Aqueous and chemical extraction of saponin of *Acacia concinna* (Willd.) Dc.: An effective Bio-surfactant solution to extract silk fibroin from muga silk cocoons. *Journal of Molecular Liquids*, Aug 15;360:119547. <https://doi.org/10.1016/j.molliq.2022.119547> (IF=6)
5. Aamna B, Kumar Dan A, Sahu R, Behera SK, **Parida S** (2022) Deciphering the signaling mechanisms of β -arrestin1 and β -arrestin2 in regulation of cancer cell cycle and metastasis. *Journal of cellular physiology*. 2022 Oct;237(10):3717-33. (IF=6.513)
6. De S, Aamna B, Sahu R, **Parida S***, Behera SK*, Dan AK* (2022) Seeking heterocyclic scaffolds as antivirals against dengue virus. *European Journal of Medicinal Chemistry*. Oct 5;240:114576. [10.1016/j.ejmech.2022.114576](https://doi.org/10.1016/j.ejmech.2022.114576) (IF: 6.7)
7. **Parida S ***, Sarangi M (2021). Medicinal uses of few edible tuber crops by “Dongria Kandha” tribes of Kandhamal district of Odisha, India. *Indian Journal of Traditional Knowledge* Vol 20(1), January 2021, pp 122-131. DOI: 10.56042/ijtk.v20i1.28590 (IF=1.09).
8. **Parida S**, Mahalik G (2020) Green leafy vegetables used by seven tribes of Odisha, India. *Plant Arch*. 20(2):1866-71.

BOOK PUBLICATIONS: 03

1. **Biowealth of Odisha, Vol. II**, Gyanranjan Mahalik, **Sagarika Parida** .Amazon Kindle, Published on: 30th June, 2022, ISBN: BOC1F5M2C2; Publisher: Independently published (June 2022)
2. **Aromatherapy**. Preetha Bhadra & **Sagarika Parida**. 2021. 1-153, Publisher: Renu Publishers, New Delhi. ISBN: 978-81-940943-7-1
3. **Biowealth of Odisha, Vol I**, Gyanranjan Mahalik, **Sagarika Parida**, Siba Prasad Parida (2020) ASIN: B08LNBW883, b ISBN-13 : 979-8551022671, Amazon Kindle

Book chapters: 11

Popular article: 03

Monographs: 24

PARTICIPATION IN CONFERENCE & SEMINARS (AS INVITED/PLENARY/CHAIR):

1. **Chaired a session in the workshop on Taxonomic Methods: Exploration, Identification, Nomenclature and Preservation of Plant Resources"** at the Department of Botany, SoAS, Centurion University of Technology and Management, Odisha from 19th & 20th Jan, 2024.
2. **Oral Presentation** in the International Conference on "Agriculture and Rural Management", 27th - 29th, January, 2023, AgriVison-2023 in collaboration with Centurion University and NISER
3. **Invited to participate and deliver the poster presentation** in the International Conference on "Communication and Dissemination of Traditional Knowledge (CDTK-2023)" organised by CSIR-NIScPR from during February 14-15, 2023 at National Agricultural Science Complex (NASC), New Delhi-110012.
4. **Delivered a talk as a Resource Person** on "Medicinal plants and modern approaches effective Ayurvedic formulations" Organized by Department of Botany, Subhadra Mahatab Mahavidyalaya, Asureswar, Cuttack on 29th January, 2022.
5. **Delivered a talk as a Resource Person** on "Cyanobacteria: The Wonder of Nature" Organized by Department of Botany, Derabis College, Kendrapara on 8th January, 2022.
6. **Delivered a talk as a Resource Person** on "Standardization of Herbal Drugs: Traditional Methods to Modern Approach" Organized by Department of Botany, Tulasi Women's College, Kendrapara on 31st December, 2020.
7. **Delivered a talk as a Guest Speaker** on the topic "Vermicomposting & Organic Farming" during "Skill Development Programme on Biotechnology" organized by MSME DI, Cuttack, Govt. of India, on 6th October 2019, held at Global Bio-Technology (A Registered Unit under Govt. of Orissa), Tamando, Bhubaneswar.
8. **Delivered a talk as a Guest Speaker** on the topic "Technologies for Mushroom Production" as a during "Skill Development Programme on Biotechnology" organized by MSME DI, Cuttack, Govt. of India, on 27th May 2018, held at Global Bio-Technology (A Registered Unit under Govt. of Orissa), Tamando, Bhubaneswar.

OTHER INFORMATIONS:

1. HoD, Dept. of Botany, SoAS from Septmber, 2017 to 27th April, 2020
2. Holds the responsibility of IQAC co-ordinator of the department

a) FDP organised:

FDP organized on Faculty Development Strategy on 25th July, 2020, by **Dr. Trilochan Mohapatra, DG, ICAR.**

1. FDP organized on "Positive Classroom Behaviour and Classroom Management" held at Centurion University of Technology and Management, Bhubaneswar, on 28th January, 2020, by **Dr. Kalpana Sahoo, Assistant Professor, Xavier School of Human Resource Management, Xavier University.**

b) Seminar/Conference Responsibilities:

1. **Organising secretary** of the International Conference on "Materials for Sustainable Environment (ICMSE 2024) organized by School of Applied Sciencves, Centurion University of Technology and Management, Bhubaneswar from 27th to 28th March 2024.
2. **Co-Convener** of the International Conference on Recent trends in Biotechnology (ICRTB-2022) organized by Department of Biotechnology, School of Engineering Technology, Centurion University of Technology and Management, Bhubaneswar, held from 22nd to 23rd June 2022.

3. **Co-Convenor** of the on International Conference on “Bioresources of our Environment: Utilization and Conservation’ICBEUC-2022, organized by Centurion University of Technology and Management, Bhubaneswar (28th March to 30th March, 2022).
4. **Chaired the technical session** on International Conference on “Bioresources of our Environment: Utilization and Conservation’ICBEUC-2022, organized by Centurion University of Technology and Management, Bhubaneswar (28th March to 30th March, 2022).
5. **Co-Convenor** of the National Seminar on “Plants for Sustainable Development and Clean Environment & 43rd Annual Conference of Orissa Botanical Society”, Centurion University of Technology and Management, Bhubaneswar.
6. **Organizing Secretary** of the National Conference on “Biodiversity Conservation for Sustainable Development and Environment Management (BCSDEM-2018)”, 1st and 2nd April, 2018, Centurion University of Technology and Management, Bhubaneswar.
7. Delivered video classes and act as registered resource person in Virtual tutorial project (Platform for delivering learning equity amongst tribal students of Odisha), Utkal University (<https://vtputkal.odisha.gov.in/list-of-resource-persons/>)