

CURRICULUM VITAE

Dr. Dandugula Madhu Sudhakar Dandugula.

Lecturer in Botany, Government College for Men

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PROFESSIONAL CAREER:

Present Position: Lecturer in Botany (27th September, 2021 onwards) Government College for Men, Kurnool, Andhra Pradesh- 518002.

- Appointed as Lecturer in Botany by direct recruitment through APPSC on 11th October, 2018 at Government College (A), Rajahmundry, East Godavari Dist.
- Selected as school assistant (Biology) through DSC from 19th October 2009 to 10th October 2018.

EDUCATIONAL QUALIFICATIONS:

- **Ph.D** :Department of Botany, Sri Venkateswara University, Tirupati , A.P, India under the supervision of **Prof. Sudarsanam Gudivada** Thesis entitled “ Chemotaxonomic characterization, biological activity studies of selected plants of Seshachalam Hill ranges”
- Qualified in **APSET 2013, in Life Sciences** stream.
- Qualified in **TSSET 2016, in Life Sciences** stream
- **M.Sc Botany (2007-2009)**- Department of Botany, Sri Venkateswara University, Tirupati, A.P,passed in first division with **73.17 %**.
- **B.Ed** (2005-2006) – Studied at Institute of Advanced Studies in Education, B-Camp, Kurnool, A.P., passed in First Division with **70 %**.
- **B. Sc (BZC)(2002-2005)**-Government Degree College, Nandikotkur, Kurnool, A.P. (Botany, Zoology and Chemistry) passed in First Division with **70 %**.
- **M.A (SOCIOLOGY)**- Dr,BR Ambedkar open university Hyderabad,Passed in first division with 72%.

TEACHING EXPERIENCE: (Seventeen years of Graduate and High school teaching)

Courses like Plant Physiology, Cell biology, Biodiversity and human welfare, Diversity of archegoniate and anatomy, Plant taxonomy and embryology, plant breeding, Plant ecology and phyto geography for B.Sc.,(Under graduate) students.

HONORS AND ACHIEVEMENTS:

- Received Gold Medal for topping in M.Sc (2009), Sri Venkateswara University, Tirupati.
- Qualified in **APSET 2013, in Life Sciences** stream.
- Qualified in **TSSET 2016, in Life Sciences** stream
- Topped in M.Sc entrance examination (2007) conducted by Sri Krishnadevaraya University, Anantapuram, AP.
- Topped in M.Sc entrance examination (2007) conducted by Yogi Vemana University, Kadapa, AP.
- Achieved state 17th rank in AP B.Ed.entrance examination (2005) conducted by APSCHE.
- Selected as School assistant (Biology) through DSC in 2008.
- Selected as Lecturer in Botany by Statewide Direct Recruitment by APPSC in 2016.

PATENTS

1.COMPOSITION AND METHOD FOR THE PRODUCTION OF PLANT-BASED BIO PLASTICS on 05-07-2024

BOOKS and BOOK CHAPTERS

- 1. Principles of Organic farming ---- BOOK**
- 2. A STUDY ON Sustainable food solutions for the next Generation And influence of food choices on world outcome --Book chapter -page no 295-302**

RESEARCH PUBLICATIONS:

1. Antioxidant activity evaluation of “ Memecylon lushingtoni” fruit, *Annals of Plant Sciences*, Dandugula Madhu Sudhakar and Gudivada Sudarsanam, volume (10), 6, 2021, 4222-4226.
2. Phytochemical screening and nutritional evaluation of Ficus tsjahela Figs, *International Journal of Creative Research Thoughts (IJCRT)*, Dandugula Madhu Sudhakar and Gudivada Sudarsanam, volume (10), 5, 2022, 2320-2882.
3. Environmental assessment of hydroponics in urban system farming
4. Advanced techniques in precision farming.
5. A Study on Ethno medicinal Plants used by Indigenous tribes of East Godavari Forest area
6. Women’s role in Indian Writings& Voices in the Literature of Indian Women
7. Greening the Indoors Nurturing Beauty and Health in your space, *The New Frontier of Indoor Beauty and Wellness*
8. Aesthetic Flora of Andhra Pradesh: A Study on Wild Ornamental Floristic Diversity
9. A Study On Ecosystem Services provided by sea weeds :In the silent forests beneath the Waves, seaweeds Weave the the Fabric Of Ocean Life
10. The ecological Consequences of Cosmetic –Micro pollutants
 - i. A Study of flora and fauna Responses from Beaches to Benthic Zones
11. A Study on ”Exploring the Role of Artificial Intelligence in the Transformation of Indian Agriculture”
12. Medicinal Plant Heritage of the Eastern Ghats in ASR district in Andhra Pradesh :Diversity, use and sustainability-A Study
13. Integrating Cyanobacteria and Nanotechnology for Environmentally Sustainable Agriculture
14. Climate change and Biodiversity hotspots: Lifelines for global; Conservation in a changing world
15. Entrepreneurship and Startups in India: Unlocking Innovation and Driving Economic Growth-A study

ORAL PRESENTATION

- Antioxidant activity evaluation of “Memecylon lushingtoni” fruit at Vaagdevi Colleges, Hanumakonda, Telangana.
- Evaluation of Therapeutic compounds in rare species of Seshachalam hill ranges at Department of Botany, Dr.BRR Government College, Jadcherla, Telangana.

CONFERENCES ATTENDED:

S.No	Title of FDP	Name of the organisation
1	New knowledge, pedagogical methods, New frontiers in Emerging technology	Government of Andhra pradesh, Commissionerate of Collegiate Education
2	Imagining& shaping of Digital Education & LMS towards development of High quality e-content: Video making, OER, Pedagogy and Assessment "	Government of Andhra pradesh, Commissionerate of Collegiate Education
3	Enhancing Digital Proficiency: A Platform for Refining the Research and Teaching skills"	Adikavi Nannaya university .AP
4	Latest trends in engineering,science and technology: nanomaterials	LENDI Institute of engineering and technology, VIZIANAGARAM ,AP
5	PLANTS FOR FOOD& HEALTH	YOGI VEMANA UNIVERSITY ,AP
6	Dynamics of e-learning &strategies:skill oriented tools in 21 st century	BVC Engineering college(A) odalarevu,kakinada
7	Out come based Education	IITDM, Kurnool and NIT, Warangal
8	Research Design ,Ethics and Metrics	K.B.N COLLEGE VIJAYAWADA

ORIENTATION PROGRAMME			
1	ORIENTATION PROGRAMME/ INDUCTION FOR FACULTY IN UNIVERSITIES/COLLEGES/INSTITUTES OF HIGHER EDUCATION	Teaching Learning Centre RAMANUJAN COLLEGE University of Delhi	
2	Orientation workshop on OER, Content development, MOOCS and MOODLE.	APSCHE, APCCE and NIT, Warangal.	
International Webinars			
1	ISCA 2017	INDIAN SCIENCE CONGRESS AT TIRUPATI	
2	Strategic preparedness & Socio Economic impact of COVID-19	Government College Autonomous Rajahmundry	
3	Awareness and Readiness of COVID-19	Ch.s.D T.Collegefor women, Eluru	
4	ECO-conscious Agriculture	Maris Stella college(A) VIJAYAWADA	
5	Post covid challenges to Humanbeings	P.R COLLEGE(A) Kakinada	
6	Web series on Biodiversity:Governance,Mnagement and Awareness	School of inspirational living india and Conservation Research and Nature education society india	
7	Innovative technologies, Entrepreneurship avenues,Livelihood Enhancement in sustainable management of Animal farming	Dr.Ambedkar govt (A) COLLEGE & ISCA	
8	Covid 19 impacts and implications on Environment	Cntral University of JHARKHAND, RANCHI	
9	Recent trends in microbes and chemical science	Shri Gavisiddeshwar Arts,Science& Commerce college koppal, karnataka	

10	Innovative practices in Agricultural Biotechnology	Shri Vyankatesh Arts,Science& Commerce college, BUDANA, MAHARASTRA
11	Overview of neurodegenerative diseases	Chennai Arts,Science& Commerce college, AVADI ,CHENNAI, Tamilnadu
12	Biomedical product development challenges & opportunities	GDC PITHAPURAM
13	Safe drinking- A perspective on quality & treatment	Maharaja Institute of Technology, MYSORE, KARNATAKA
14	Veda for World Peace	Mahrshi Sandipani Rashtriya Vedavidyalaya Pratishan ,UJJAIN , MADHYA PRADESH
15	WOMAN & SCIENCE	Syaampur siddeswari Mahaviswavidyala, West Bengal.
16	International webinar and FDP on strategies to write good Research article –part 2	Manipal academy of higher education and CCTCI, MAHE, Karnataka.
17	Plant physiological paradigms towards Agricultural sustainability under climate change	Bihar Agricultural University
18	Role of Science& technology during covid 19 pandemic : a Perspective analysis	Maynaguri College and Indian Medical Association, West Bengal.
19	International conference on “Renewable energy Research and Education.”	Govt College, Rajahmundry
20	Role of Intellectual property rights in HEIs for strengthening R&D	Govt College, Rajahmundry
21	ENVIRONMENTAL SUSTAINABILITY	GOVT DEGREE COLLEGE FOR MEN, KURNOOL

NATIONAL WEBINARS/WORKSHOPS

1	Applications of Chemistry: Soldiers & Society	Y N COLLEGE, NARSAPUR, AP
2	SPECIES RECOVERY AND CONSERVATION OF ENDANGERED SPECIES IN INDIA	St.JOSEPH'S COLLEGE(A) Bengaluru Karnataka
3	International day for the conservation of Mangrooves	The Bapatla college of Arts & Sciences , BAPATLA
4	COVID-19: IMMUNITY BOOSTING & VACCINE DEVELOPMENT	SREEGOPAL BENERJEE COLLEGE, HOOGLY, WEST BENGAL
5	Challenges in Higher Education : a post pandemic teaching solution	M.C. College,BARPETA, ASSAM
6	Democracy, Human Rights, Governance in Present India : ISSUES, CHALLENGES & SOLUTIONS	B.B.M.K UNIVERSITY, DHANBAD, JHARKAND
7	Biotechnology for Human welfare	Netaji Subash Chandra science college, MULCHERA, MAHARASTRA
8	COVID-19 INDIA & GLOBE : CURRENT STATUS	Yogeshwari Mahavidyalaya, Ambajogai, BEED , MAHARASTRA
9	RECENT TRENDS IN BOTANY	Yogeshwari Mahavidyalaya, Ambajogai, BEED , MAHARASTRA
10	Impact of Covid 19-Social issues & social concerns & social interaction	Basaveswar arts college, Bagalkot, Karnataka
11	Covid 19- Changing role of Teachers & Education institutions	SARSUNA COLLEGE , KOLKATA
12	PLANT DISEASE MANAGEMENT	N.T.A.A.S.C.D.P.S. COLLEGE, DEVRUKH ,

		MAHARASTRA
13	Quality improvement in Higher education by up skilling	AISSMS College of pharmacy, pune , maharashtra
14	IDEOLOGY OF MAHATMA GANDHI	Vaidyanath college ,PARLI , MAHARASTRA
15	MIGRATION& LITERATURE	Shankarrao Jawale patil Mahavidyalaya, LOHARA , OSMANABAD, MH
16	EFFECTIVE UTILIZATION OF ICT TOOLS IN CUNDUCTING ONLINE CLASSES	ACADEMY OF GENE EDUCATION,MANIPAL &BHANDAKARS ARTS&SCIENCE COLLEGE
17	3 rd Agri Nano- Challenges and Oppurtunities in Agrinanotechnology (COAN-2019)	Acharya NG Ranga Agricultural University, Tirupathi.
18.	National Workshop on Hydroponics	Dept of Botany, SV University, Tirupathi.
19	Vedic approaches in Medicinal Plants and Ayurveda	ASD, Govt Degree College, Kakinada.