

CURRICULUM VITAE



Name : Capt. Dr. MORTHA KRISHNA RAO

Date of Birth : 19-05-1970

Designation: Lecturer in Botany & NCC Officer.

Office address	Residential address
DEPARTMENT OF BOTANY P.R. Government College (A) Kakinada E.G. District, 533001, Cell No: 9440134559 Email: mortha9@gmail.com	2-32-13, Flat no.202, J.S. Royal Residency, Srinagar, Kakinada, East Godavari District, Andhra Pradesh – 533 003

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Educational qualifications :

Educational qualification	Board/University	Year of pass	Pass %
M.Sc. Botany	Andhra University	1993	66.5
M.Ed. (EAP)	Andhra University	1994	60.0
M.Phil.	Andhra University	2009	FIRST
Ph.D.	Andhra University	2014	-

M.Phil:

Studies on Ethno-Medico-Botanical plants in Sudikonda Forest of East Godavari District, A.P.

Title of Ph.D. thesis : “Ethnomedicinal, Phytochemical Screening and Antimicrobial Studies of Upper Forest area of East Godavari District, Andhra Pradesh”

Minor Research Project : Ethnomedicine from Konda Reddis of high altitude agency tracts of East Godavari District, Andhra Pradesh, India
(UGC-SERO)

Research publications :

Journals published:

1. Anielkumar O, Krishnarao M and Raghavarao TV. 2012. Ethnomedicinal plants used by the tribals of Sudikonda Forest, East Godavari District, Andhra Pradesh to cure women problems. ***Journal of Phytology*** 4(1): 10-1.
2. Krishnarao M, Anielkumar O and Mutyalanaidu L. 2013. *In vitro* Antimicrobial activity of *Alangium salviifolium* L. roots. ***Int. J. Adv. Res. Sci. Technol.*** 2 (2): 88-91.
3. Anielumr O, Krishnarao M and Mutyalanaidu L. 2014. Evaluation of antimicrobial activity of chemical constituents of *Achyranthes aspera* L. roots against human pathogens. ***Indian Journal of Natural products and Resources*** 5(3):278-281.
4. Anielkumar O, Krishnarao M and Mutyalanaidu L. 2014. Phytochemical analysis and *in vitro* antimicrobial activity of stem bark extracts of *Albizia lebbeck* (L.) Benth. ***Journal of Medicinal and Aromatic Plant Sciences (CSIR-IMAPS)*** 36(3-4) 91-96.
5. Anielkumar O, Krishnarao M and Mutyalanaidu L. 2015. Evaluation of antimicrobial activity of root extracts of *Abutilon indicum*. ***Notulae Scientia Biologicae*** 7(2): 160-163.
6. Anielkumar O, Mallikarjuna K, Krishnarao M and Mutyalanaidu L. 2015. Ethnobotanical studies for skin diseases by tribes of Papikondalu Forest, Andhra Pradesh, India. ***Int. J. Adv. Res. Sci. Technol.*** 4 (4): 416-420.
7. Krishna Rao M, J.Koteswara Rao, L.Mutyala Naidu (2023) Studies on Ethnomedicinal plants practiced by the tribals of Sudikonda Forest Area, East Godavari District, Andhra Pradesh. ***EPRA International Journal of Multidisciplinary Research (IJMR)***. Vol.9 Issue: 4.
8. Koteswara Rao J, S.Padmavathi, M.Krishna Rao, K.Sai Venkatesh and E.Gopi (2023) Ethnomedicinal importance of *Oroxylum indicum* by the tribal of Eastern Ghats of North Coastal Andhra Pradesh. ***International Journal of Research and Analytical Reviews (IJRAR)***. Vol.10 Issue: 4.
9. Koteswara Rao J, M. Krishna Rao and S. Padmavathi (2024) Ethnomedicine by the porja's of Visakhapatnam District, Andhra Pradesh. ***PARIPEX-INDIAN JOURNAL OF RESEARCH***. Vol.13, Issue:02.
10. Koteswara Rao J, M. Krishna Rao (2024) Ethnomedicinal Treatment Against Sciatica by the Primitive and Vulnerable Groups of Visakhapatnam DT., Andhra Pradesh. ***EPRA International Journal of Multidisciplinary Research (IJMR)***. Vol.10, Issue: 4.

11. Mortha Krishna Rao and Lagudu Mutyala Naidu (2024). Ethnomedicine from Konda Reddis of Alluri Seetharama Raju District, Eastern Ghats, Andhra Pradesh, India. **Journal of Economic and Taxonomic Botany (JETB)**. Vol.48(1) pp.37-49.
12. Padmavathi. S., Koteswara Rao. J., P. Sujana, M. Krishna Rao and E. Gopi (2024) Ethnomedicinal studies of Abrus precatorius used by the Primitive and Vulnerable tribal groups of North Coastal Andhra Pradesh, India. **Journal of Interdisciplinary and Multidisciplinary Research (JIMR)** Vol. 19 Issue 07, July- 2024. pp.55-60.

Books published:

1. Ethnomedicine from the Tribals of Sudikonda, East Godavari District, A.P. **LAMBERT Academic Publishing**.
2. Ethnomedicinal Studies of Upper Forest area of East Godavari District (A.P.) India. **Scholars' Press, Saarbrucken, Duetschland**.

Book Chapter:

1. Krishnarao M and Mutyalanaidu L. 2019. Ethnomedicine from Konda Reddis of High-altitude agency tracts of East Godavari district, Andhra Pradesh, India. In: S.M. Khasim, C. Long, K. Thammasiri and H. Lutken (Eds.), "Medicinal Plants: Biodiversity, Sustainable Utilization and Conservation", **Springer Nature, Chapter-11. ISBN NO. 978-981-15-1636-8**.
2. Mutyala Naidu Lagudu, Krishna Rao Mortha & Mallikarjuna Kunjam (2024) Nutritional Aspects of Cereals and present status of Sustainable Food for Health. Recent Trends in Multidisciplinary and Development. **Red'Shine Publication, Swedon Vol.1 Chapter:15. ISBN:978-91-89764-56-9**.

Refresher/Orientation Courses attended:

1. Participated in the **3-week Refresher course on Environmental Management** of UGC-Academic staff college of India and JNTU-Hyderabad conducted in the Department of Civil Engineering, JNTU college of Engineering, Kakinada from 17-11-2004 to 07-12-2004 obtained **grade A**
2. Participated in the **4-week UGC-Sponsored Orientation Course** from 12-04-2010 to 09-05-2010 obtained **grade A** conducted by UGC-Academic Staff College Andhra University, Visakhapatnam.
3. Participated in the **3-week UGC-Sponsored Inter Disciplinary Refresher Course** in the subject **Life Sciences** from 18-01-2011 to 07-02-2011 obtained **grade A** conducted by the UGC-Academic Staff College, Andhra University, Visakhapatnam.

4. Participated in the **3-week UGC-Sponsored Inter Disciplinary Refresher Course** in the subject **Environmental Sciences** from 05-09-2012 to 25-09-2012 obtained **grade A**, conducted by the UGC-Academic Staff College, Andhra University, Visakhapatnam.

Research articles presented in Conferences/Seminars:

1. Poster paper presentation “Medicinal plants used in female medicine” in 2nd **International seminar** on *Medicinal plants and Herbal Products*, 27th-29th Dec.2010. held at Sri Venkateswara University, Tirupati.
2. Participated and conducted medicinal plant and herbal products exhibition entitled “*Medicinal Plants and their Products*” in **Andhra University Academic Exhibition 2011** from 12th -16th February 2011, held at Dept. of Botany, Andhra University, Visakhapatnam.
3. Oral presentation “ Evaluation antimicrobial activity of *Alangium salviifolium* L. root in **National Seminar** on “ Genomes, Environment & Human Welfare - Retrospect & Prospect” 22nd & 23rd March 2013 held at Dept. of Botany, Andhra University, Visakhapatnam.
4. Oral presentation and organized medicinal plant exhibition in **State level workshop** on “*Utilization of Medicinal Plants in our Daily life*” held at Dept. of Botany, S.K.V.T. College, Rajahmundry, on 7th Nov.2014.
5. Oral paper presentation “ Ethno-botanico-medicine for human ailments from the agency tract of Addateegala, East Godavari Dt, A.P. in **National Conference** on *Plant Diversity: Challenges in Conservation and Sustainable Utilization* from 4th to 6th February,2016 organized by Dept. of Botany, Kakatiya University, Warangal.
6. Oral paper presentation entitled” Ethnomedicine from Konda Reddis of high altitude agency tracts of East Godavari district, A.P. in **International Symposium** on Biodiversity of Medicinal plants & Orchids: Emerging trends and challenges. From 9-11Feb,2018, held at Dept. of Botany, Acharya Nagarjuna University, Guntur.
7. Poster paper presentation entitled “Ethnomedicine from Konda Reddis of high altitude agency tracts of East Godavari district, A.P. in **106th Indian Science Congress** held at Lovely Professional University, Jalandhar, Punjab from January 3 to 7, 2019

8. Poster paper presentation entitled “Ethnomedicinal, Phytochemical screening and Antimicrobial studies of upper forest area of East Godavari Districts, Andhra Pradesh, India in **107th Indian Science Congress** held at University of Agricultural Sciences, Bangalore from 3rd to 7th January 2020.
9. Poster paper presentation entitled “**Ethnomedicinal Survey of Upper Godavari Tracts of Andhra Pradesh, India with Phytochemical and Antimicrobial Investigation, A.P. XXIX Annual Conference of Indian Association for Angiosperm Taxonomy and National Symposium on modern trends in Biosystematics of Angiosperms** held at JNTBGRI, Palode, Thiruvananthapuram, Kerala from November 11-13, 2019
10. Poster paper presentation entitled In Vitro Antimicrobial activity of phytochemical constituents of *Zornia gibbose* (A) Pers. at the Asian PGPR Conference for Sustainable and Organic Agriculture at Loyola Academy (Autonomous), Secunderabad, Telangana State, India.

Conferences/Seminars attended and Abstracts published:

1. Krishnarao M and O. Aniel Kumar. 2013. **National Seminar** on “Present Scenario on Potential of Bioactive Compounds” held at Dept of Biochemistry, Andhra University, Visakhapatnam, 25th and 26th March, 2013.
2. Krishnarao, M, G. Bulliah, D. Subbaraju and Vatsavaya S. Raju 2015. Exotic Weed infestation of Ecosystems of Addateegala, East Godavari District, A.P. in **National Seminar** on “Recent Trends in Plant Sciences” held at Dept. of Botany, Andhra University, Visakhapatnam, 26th & 27th Feb., 2015. AB:8.7.pp. 84.
3. Aniel Kumar, O and M. Krishnarao M. 2015. Preliminary Phytochemical Screening of some Indigenous Medicinal Plant Leaves Extract in regulation of antidiabetic activity in **National Seminar** on “Recent Trends in Plant Sciences” held at Dept. of Botany, Andhra University, Visakhapatnam, 26th & 27th Feb, 2015. AB:10.6.pp. 132.
4. Purushotham, A.V. and Krishnarao, M. 2015. The effects of heavy metals on Seed germination and plant growth on *Coccinia*, *Mentha* and *Trigonella* plant seeds in Timmapuram, E.G. District, AP, India in **National Seminar** on “Recent Trends in Plant Sciences” held at Dept. of Botany, Andhra University, Visakhapatnam, 26th & 27th Feb., 2015. 11.1.pp. 150.
5. Krishnarao M and Vatsavaya S. Raju. 2015. Ethnomedicine from *Acampe regida* (Orchidaceae). **National Conference** on *Emerging Research trends in Plant Sciences* in

21st Century, held at Dept of Botany, Kakatiya University, Warangal from 12th and 13th Feb. 2015: AB-68.

6. M. Krishna Rao and Vatsavaya S. Raju. 2016. Ethnomedicine from Konda Reddis of the Agency Tracts of East Godavari District, A.P. **XXVI Annual Conference of Indian Association for Angiosperm Taxonomy and International Seminar** on “*Conservation and Sustainable Utilization of Biodiversity*” held at Dept. of Botany, Shivaji University, Kolhapur, India from 7-9 Nov. 2016. pp. 220. P-T3-65.

Participated in conferences/seminars/workshops:

1. Two Day **National conference** on Water and Waste Management (NCWWM) held at Dept. of Civil Engineering JNTU college of Engineering, Kakinada, from 23-24 April 2007.
2. **State Level Seminar** on “Innovative Approaches in Education for Student Empowerment” held at CH.S.D.ST. Theresa’s Autonomous College for Women, Eluru, on 10th Oct. 2007.
3. Two week **Training course_National Workshop** on “**A Holistic Approach to Identify Bioactive Molecules from Natural Origin**” sponsored by NAIP (ICAR), New Delhi from 21st Nov to 3rd Dec. 2011, organized by Dept. of Pharmacy, Andhra University.
4. Two-day **National conference** on “Recent trends in Plant Sciences” held at P.R. Government College, Kakinada, 18th and 19th Nov. 2011.
5. One-day **District Level Seminar** on “**Agro Ecological Economics**” held at A.S.D. Govt. Degree College for Women, Kakinada on 16th Dec. 2015.
6. Three-day **State Level Workshop** on “**Technology Enabled Teaching-Learning in Higher Education Institutions**” held at Pithapur Rajah’s Govt. College, sponsored by RUSA, from 6th to 8th October 2015.
7. One-day **State Level Workshop** on “**Bio-Analytical Techniques**” held at Government College (Autonomous), Rajahmundry on 11th February 2015.
8. Two-day **National Symposium** on “**Algae for Human Welfare (AFHW-2015)**” held at Pithapur Rajah’s Govt. College (Autonomous), Kakinada from 19th to 21st August 2015.
9. Five-day **95th Indian Science Congress** held at Andhra University, Visakhapatnam from January 3 to 7, 2008.

10. Five-day **103rd Indian Science Congress** held at University of Mysore, Mysuru from January 3 to 7, 2016.
11. Five-day **104rd Indian Science Congress** held at Sri Venkateswara University, Tirupati from January 3 to 7, 2017.
12. Three-day **2nd International Conference on Green Development in Tropical Regions-2017** entitled “**Challenges and Strategies for Global Sustainable and Green Economic Development (CSGSGED)**” held at Dept. of Management studies, Adikavi Nannaya University, Rajamahendravaram, 26th- 28th July 2017.
13. Participated Two Day Faculty Development Programme on Capacity Building of Faculty in Blended Teaching – Learning Environment- A practical Approach organized by Centre for Capacity Building & IQAC between 21st & 22 April 2022 at PRGC(A) Kakinada
14. Participated in DST Funded 7-day program on Exploring the Research Innovations in Sciences with Hands on Experience from 20th-26th June 2022 organized by Government College (A) Rajahmundry in collaboration with GITAM Deemed to be University, Visakhapatnam
15. Participated in the “Two day workshop on learning management system and Innovative pedagogies from 28-12-2022 to 29-12-2022 at Nagarjuna University, Guntur organized by Commissionerate of Collegiate Education, A.P. Mangalagiri.
16. Participated in the National seminar titled “National Education Policy 2020: Realization of Goals- Role of Stakeholders organized by IQAC of PRGS (A) in Hybrid mode on 08 May 2023.
17. Participated in the 6 day training of the Trainers programme on English medium of instruction, proficiency in English from 12-06-2023 to 17-06-2023 at NRC, PRGC (A) Kakinada organized by Commissionerate of Collegiate Education, A.P, Mangalagiri.

Online webinars and courses attended

1. Participated in webinar on “Ex-situ conservation of Threatened Angiosperm plants” organized by NATUCARE INDIA held on 24th May 2020, Mumbai, India
2. Participated in the Two Day International Webinar on “Impact of Covid-19 on Environment and Science & Technology” organized by Department of Physics & Electronics P.R.Govt.(A) College, Kakinada through video conference held on 26th & 27th May 2020

3. Participated in International Level Competition on “Plant Identification Contest” organized by NATUCARE INDIA held on 31st May 2020, Mumbai, India
4. Participated in “PARYAVARNA- National Webinar on the impact of Lockdown on our Eco-System” conducted by SGK GOVERNMENT DEGREE COLLEGE Vinukonda, Guntur Dt. on 02-06-2020.
5. Participated in the International Webinar on “Post Covid Challenges to Human Beings” organized by Department of Botany, Microbiology & Horticulture PITHAPUR RAJAH’S GOVERNMENT COLLEGE KAKINADA through video conference held on 04th June 2020.
6. Participated in the Three Day National Online Faculty Development Programme on "Mentoring Skills" organised by the Departments of Political Science and Journalism, Maris Stella College, Vijayawada, Andhra Pradesh from 1 - 3 June 2020.
7. Participated in the Webinar "Genetic Study of Plasmid Mediated Quinolone Resistance in Clinical Isolates of Gram Negative Bacilli” conducted by AURORA'S DEGREE & PG COLLEGE Hyderabad held on 30th June,2020
8. Participated in the 5-Day Online Faculty Empowerment Programme on “Redefining Higher Education on account of Globalization” held during 30th June, 2020 to 04th July, 2020 organized by Tech Guru Education Services Group and K.G.R.L.COLLEGE Bhimavaram.
9. Participated in “National Webinar On Strengthen Your Immune System Through HERBAL PLANTS” Conducted by department of Botany (UG) S.K.V.P.& Dr.K.S.RAJU ARTS AND SCIENCE College Penugonda on 04/07/2020.
10. Participated in the one week online FDP on “Being a Super Teacher” from July 6 to July 12, 2020 BANNARI AMMAN INSTITUTE OF TECHNOLOGY
11. Participated in the One day National Webinar on “Genomics of SARS CORONA VIRUS-02” Organised by the Department of Botany, Andhra Loyola College, Vijayawada in Collaboration with the Department of Zoology, Maris Stella College, Vijayawada held on 11th July 2020.
12. Participated in One day National Webinar on “Social History of Medicine in Modern India and Need for Awareness on COVID-19 Pandemic” On 24th July, 2020 organised by Department of History in Association with IQAC, A.G & S.G SIDDHARTHA Degree College of Arts and Science, Vuyyuru

13. Participated in the online quiz titled “Know Your Body” organized by Department of Zoology, Dr. Sarvepalli RadhaKrishnan Government Arts College, Yanam, Puducherry, India on 23-7-2020 and scored 80%.
14. participated in the Virtual Conference entitled IMPACT OF CHEMICAL DISASTERS ON BIOTA organised by Andhra University, Visakhapatnam and Andhra Pradesh Akademi of Sciences.
15. Participated in International Webinar on “Infectious Viral diseases & Vaccines or remedial Concepts” organized by the Department of Zoology, S.G. Govt. Degree & PG College, Piler on 17th August, 2020.
16. Participated in Webinar on “An Overview On PlantTaxonomy”organized by Departmentof Botany(P.G), Andhra Loyola College ,Vijayawada held on 20th August2020.
17. Participated in the Two Day International Webinar on “SUZEEVANA- RIGHT WAYS TO COMBAT COVID-19” organised by Government Degree College, Chebrole, Guntur district, Andhra Pradesh in association with Sri YKR & K Government Degree College, Kovur, SPSR Nellore District, Andhra Pradesh on 30th& 31st August, 2020.
18. Participated in NATIONAL WEBINAR on the occasion of International Day For Biological Diversity HINDU COLLEGE-GUNTUR DEPARTMENT OF BOTANY.
19. Participated in the online Workshop on “Technological Tools & Platforms for Effective Online Teaching, Learning & Evaluation” organized by Affiliated College Teachers Association, Andhra Pradesh (ACTA-AP) on 22.06.2021. Affiliated College Teachers’ Association Amaravathi - Andhra Pradesh (ACTA-AP)
20. One Day National Level Online Webinar on “Effects of Global Warming and Climate Change” on 12 November, 2021 organized by Departments of Physics & Chemistry, Sri DNR Government Degree College, Palakol, West Godavari District, Andhra Pradesh, India.
21. Participated in ONE WEEK INTERNATIONAL WORKSHOP ON “SHAPE YOUR FUTURE – SHARE NOT YOUR IDEAS” from 21st March to 26th March 2022 organised by IQAC, Placement Cell & JKC of GDC, Avanigadda.
22. Participated in online short term course in Research Methodology held from 16-11-2022 to 22-11-2022

23. Participated in the National seminar entitled “Ozone For Life” organized by the department of Botany Dr.L.H.R.Govt. Degree College Mylavaram, N.T.R. District A.P.-521230

24. Participated in the National webinar on “Recent concepts & Perspectives in Mycology” on 02-11-2023 organized by the Department of Botany, Govt. Degree College Ramachandrapuram

Any other relevant information : 1. 29 years of Teaching Experience

2. State Level Best NCC Officer Award 2012.

3. Unit Level Best NCC Officer Award 2017.

Computer skills	DCA
Operating Systems	Windows 95, Windows XP
Packages	MS-Office.

Positions handled:

In P.R. Government College(A) Kakinada	1. Acted as Resource person in many events 2. Acted as PG Course Coordinator 3. Eco-club Committee Convenor 4. Member in NAAC criterion-IV-Infrastructure and learning Resources 5. Member in Campus maintenance Committee 6. Member in Open area maintenance Committee 7. Member in Campus Discipline Committee 8. Member in Student/Staff Grievance Redressal Committee 9. Member in Student Profile & Data Base maintenance Committee 10. Member in Attendance consolidation committee 11. Member in Student Welfare Committee
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| | 12. Member in Endowment prizes committee
13. Mentor for I HBC and I MBC Students |
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PERSONAL DETAILS:

Name	Capt.Dr.M.KRISHNA RAO
Father's name	MORTHA RAJANANDA RAO
Date of Birth	19-05-1970
Languages Known	Telugu and English
Office Address	Department of Botany, P.R. Government College (A) KAKINADA – 533001, E.G. Dist, AP, Kakinada.jkc@gmail.com , www.prgc.ac.in
Present Address	Capt.Dr.M.KRISHNA RAO, D.No.2-32-13 flat no. 202 J.S.Royal Residency, Srinagar, Kakinada,533003.

References :

1. Prof. **O. Aniel Kumar**, Andhra University, Visakhapatnam. 9490364245.
2. Prof. **Vatsavaya S. Raju**, Kakatiya University, Warangal. 9849413063.
3. Prof. **M. Venkayya**, Andhra University, Visakhapatnam. 9849639190.

(Capt.Dr.M.KRISHNA RAO)