

CURRICULUM VITAE

VANTERU KRISHNA REDDY

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PERSONAL:

Date of Birth : January 1, 1959
Place of Birth : Warangal, Andhra Pradesh
Sex and Marital status : Male, Married
Nationality : Indian

B.Sc., (1981) Botany, Zoology, Chemistry, Kakatiya University
(Grade: **First Division with Distinction**)

M.Sc., (1984) Botany, (Genetics, Cytology & Cytogenetics Specialization) Kakatiya University, (Grade: **First Division with Distinction**)

Ph.D. (1989) Kakatiya University

Title of Ph.D. Thesis: **“Studies on Mycotoxin Producing Fungi Associated with Maize (*Zea mays* Linn.)”**

Research Papers published : 75

**Seminars, Symposia and
Conferences attended
and Presented Papers : 35**

Books Published : 06

FELLOWSHIPS:

JRF & SRF (Council of Scientific and Industrial Research), 1984-1989

Research Associateship (Council of Scientific and Industrial Research), 1990-1994

Research Associateship (University Grants Commission), 1994-1998

RESEARCH EXPERIENCE : Since 1984 to till date

Research Techniques Known :

- 1) Analysis of Microbial Metabolites by TLC and HPLC.
- 2) Biochemical Analysis of Cell Constituents by Spectrophotometry.

- 3) Assay of Different Respiration Enzymes, Cell Wall Degrading Enzymes, Phosphate Solubilizing Enzymes.
- 4) Microbiological Assay.
- 5) Analysis of drinking water and milk.

Workshops / Training Courses Attended:

- 1) National Workshop on **“Edible Fungi”** April 14th & 15th, 1990 held at the Department of Botany, Osmania University, Hyderabad.
- 2) **“Orientation cum Refresher Course in Microbiology”** March 16-25, 1994, held Department of Botany, Kakatiya University, Warangal.
- 3) DBT Training Course on **“Molecular Biology and Genetic Engineering of Industrial Fungi”**, July 25th to August 13th, 1994, held at Department of Biochemistry, Osmania University, Hyderabad.
- 4) Two-Day Workshop on **“Advanced Techniques in Plant Sciences”** 12th & 13th December, 2011.
- 5) Training Programme to P.G. Teachers of Affiliated Colleges, 25th April, 2012 to 1st May, 2012 Organized by Kakatiya University and Sponsored by the Andhra Pradesh State Council of Higher Education (APSCHE), Hyderabad.

Books Published:

- 1) **“Mid Day Meals – A Module”** Published by Sarva Shiksha Abhiyan, DPEP, Warangal, Govt. of A.P., (2004).
- 2) **“Science & Maths Terminology Guide”** Published by P.B. Reddy & Co., Hanamkonda, Warangal, A.P., (2005).
- 3) **“A Text Book of Molecular Biotechnology”** Published by Himalaya Publishing House Pvt. Ltd., Mumbai, (2007).
- 4) **“A Text Book of Botany”** Published by Victory Publishers, Vijayawada, (2009).
- 5) **“Mycotoxins Problem and its Management”** Published by Scientific Publishers, Jodhpur, (2010).
- 6) Eco-friendly Management of Mycotoxigenic Fungi and Mycotoxin Contamination in **“Sustainable Crop Disease Management using Natural Products”** (eds), Sangeetha Ganesan, Kuruchevi Vadivelu and Jayaraj Jayaraman (2015), CABI International Publishers, Oxfordshire, UK (ISBN-13; 9781780643236)
- 7) **“Biodiversity, Traditional Knowledge and Intellectual Property Rights”** Published by Scientific Publishers, Jodhpur, (2016)

POST DOCTORAL RESEARCH EXPERIENCE: 20 Years

TEACHING EXPERIENCE:

- 1) Working as Assistant Professor in Botany at University College, Kakatiya University, Warangal.

- 2) Working as Councillor in Dr. Ambedkar Open University Study Centre, Warangal and handling M.Sc. Botany classes.
- 3) Worked as Assistant Professor in Botany in University Arts & Science College, Kakatiya University, Warangal and Taught B.Sc., Botany, Microbiology, Bio Technology and M.Sc. Botany.
- 4) Worked as Part-time Lecturer in University Arts & Science College, Kakatiya University, Warangal and taught Botany, Microbiology and Biotechnology for B.Sc. students during 1994 to 2005.
- 5) Worked as Part-time Lecturer in Sericulture and Handled P.G. Diploma in Sericulture classes at Kakatiya University, during 1992 to 1997.
- 6) Worked as Counsellor in School of Distant Learning and Continuing Education, Kakatiya University, Warangal and handled Degree II year Science and Civilization classes during 1991 to 1995.
- 7) Worked as Counsellor in Dr. B.R. Ambedkar Open University Study Centre, Warangal and handled Degree I year Science & Technology classes during 1989 to 1995.

List of candidates completed Ph.D Degree

- 1) Dr. G. Srujana (2012) – Studies on Adulteration and Microbial Quality of Milk in Warangal City
- 2) Dr. A. Venugopal Reddy (2013) – Studies on Physico-chemical and Microbial Monitoring of Drinking Water Supplies of Warangal City.
- 3) Dr. A. Rajender Reddy (2014) – Studies on Incidence and Management of Mycotoxins in Poultry Feeds in Warangal Dist. (AP)

List of candidates pursuing Ph.D

- 1) Mrs. A. Aruna – Studies on Endophytic Fungi associated with Asdepidaceae family for Bioactive Metabolites.
- 2) Mrs. D. Parvathi – Studies on Mycotoxin producing Fungi associated with Dried Chillies and their Management.
- 3) Mr. J. Ramesh – Biodiversity and Screening of Endophytes from Sarpagandha (*Rauvolfia serpentine*) - A Medicinal Plant for Bioactive Metabolites.
- 4) Mr. M. Abhinesh – Diversity and Screening of Endophytic Fungi isolated from a Medicinal Plant Litsea glutinosal for Bioactive Metabolites.

List of candidates pursuing M.Phil

- 1) B.R. Suhasini – Studies on Post-harvest Diseases of Fruits in Karimnagar.
- 2) E. Mohan Raja – Effect Agro-Industrial Effluents on Crop Plants.

Workshops / Seminars / Conferences Organized:

- 1) Convener, Hospitality and Transport Committee for various National Conferences organized in the Dept. of Botany / Microbiology / Biotechnology, Kakatiya University, Warangal.
- 2) Organizing Secretary for Two-Day Workshop on “Advanced Techniques in Plant Sciences” Organized by Dept. of Botany, Kakatiya University, Warangal, during 12th & 13th December, 2011.
- 3) Organizing Secretary for Two-Day National Conference on “Emerging Research Trends in Plant Sciences in 21st Century” Organized by Dept. of Botany, Kakatiya University, Warangal, during 12th & 13th February, 2015.
- 4) Organizing Secretary for Three-Day National Conference on “Plant Diversity: Challenges in Conservation and Sustainable Utilization” Organized by Dept. of Botany, Kakatiya University, Warangal, during 4th & 6th February, 2016.

Sessions Chaired in Seminars / Conferences / Orientation Programmes:

- 1) Two-Day UGC National Seminar on “Recent Advances in Plant Sciences” organized by Singareni Collieries Women’s Degree & PG College, Kothagudem, during 29th & 30th October, 2014 and Chaired the Session “Molecular Biology and Cytogenetics”
- 2) One-Day Orientation Programme on “Environmental Science for University and College Teachers of Telangana” Organized by TSCHE and Council for Green Revolution, 23rd February 2016, and Chaired the Session “Open House and Way Forward”.
- 3) Three-Day International Conference on “Biotechnology for Better Tomorrow” held at Pacific Ag. Research, Tampa, Florida, USA, during 29-31 October, 2015, and Chaired the Session “
- 4) Two-Day National Seminar on “Indigenous Phytodiversity for Sustainable Development” held at Dept. of Botany, PSC and KUSC, Govt. College, Nandyal during, 25-26 February, 2016, and Chaired the Session “
- 5) Received the “Best Invited Talk” award in the International Conference on “Biotechnology for Better Tomorrow” held at Pacific Ag. Research, Tampa, Florida, USA, during 29-31 October, 2015.