

## *Curriculum Vitae*

**Prof. Arjula Ramachandra Reddy, Ph. D.,**  
**Fellow, Indian Academy of Sciences**  
**Founder Vice Chancellor: Yogi Vemana University, 2006-9;**  
**Second term Vice Chancellor : 2010-13**  
**Emeritus Professor, University of Hyderabad, Hyderabad 2013-18**

**Educationist with National Perspective serving various institutions of Central Govt. including DBT, DST, MoEF, UGC besides serving twice as Vice Chancellor in the State of Andhra Pradesh**

**Research Subject Area: Rice Genetics, Genomics and Biotechnology**

**Post Graduate and Ph.D: Plant Genetics and Breeding**

**Ph. D subject: Maize Genetics**

**Service: 35 yrs at University of Hyderabad (1978-present), Professor since 1987**

### *Presently serving as*

**Member, Board of Governors, NIT, Warangal**  
**Chairman, PAMC of National Plant Gene Repository, NIPGR, DBT, New Delhi**  
**Member: Executive Council of Banaras Hindu University**  
**Chairman: Taskforce on Basic Plant Biology, Agriculture and Frontier Areas,**  
**Department of Biotechnology, Ministry of Science & Technology, Govt of India**  
**Chairman, Taskforce on Building Advanced Research Centre( Science City, by Govt of Karnataka ) at Belapu, Mangalore University.**

### **Expertise and interest**

**Academic and administrative leadership in the areas of Agriculture and Higher Education at the State and Central Govt, and also at International level( The Rockefeller Foundation, USA, Steering Committee on Rice Functional Genomics( several nations), Scientific Advisory Committee of International and National Conferences etc) . I have been associated with several major committees of the Central Govt for the past 30 years on Plant and Crop biotechnology, regulation of GM crops-both agricultural crops and others, either as the chairman, co-chairman ( Genetic Engineering Appraisal Committee, highest regulatory body of the Govt of India, to clear and regulate GM crops and also certain drugs in India) besides serving in UGC committees at the Highest level including in committees that select Vice Chancellors of Universities.**

### **Honours, Awards, Distinctions:**

- Fellow, Indian Academy of Sciences
- Fellow, Alexander von Humboldt Foundation, Germany
- Career Biotechnology Fellowship of the Rockefeller Foundation, USA
- World Food Institute Scholarship, Iowa State Univ., USA
- Member, International Society of Plant Molecular Biology
- Member, Search Committee for the appointment of Vice Chancellor, Telugu Univ, AP

- Research Associateship: The Johns Hopkins University, USA
- Visiting Professor, Purdue University, USA ( 2000-2003: 2- 3 months each year)
- H.E.H Nizam Scholarship( Travel to USA for Post Doc Research at Iowa State University, AMES, IOWA, USA
- Visiting Professor, MAX Planck Institute, Koln, Germany 1985- 1987, and 1989-1994: every year 2 months or more
- Science Panel member: DFID/BBSRC, Govt of U.K( only scientist from India) 2007, 2008
- Spl Invitee, Core Committee of European Research Area Network on Plant Genomics: France
- Steering Committee of Rice Functional Genomics Consortium: China, USA, Philippines etc

#### **Major Grants Awarded by :**

- 1. The Rockefeller Foundation, USA for Rice Research**
- 2. The European Union Grant for Rice Drought Tolerance Research**
- 3. Generation Challenge Program, Pearl millet Research, CGIAR ( ICRISAT collaboration)**
- 4. Research Collaboration: Max Planck Institute, Germany, Purdue University, USA, University of Hamburg, Germany and Scripps Research Institute, California USA**
- 5. Department of Biotechnology, Government of India, Rice drought tolerance research**
- 6. Indian Council of Agricultural Research, for Maize Genetics Research**

#### **Served as:**

- **Chairman, National Agricultural Innovation Project( Component) funded by World Bank thru ICAR, Ministry of Agriculture Govt .of India**
- **Chairman, PAMC of Rice Functional Genomics Network Project, Dept of Biotech, Ministry of Sci &Tech, Govt of India( current)**
- **Chairman, PAMC of Rice Gene Regulation Project of , Dept of Biotech, Ministry of Sci & Tech, Govt of India( current)**

#### **Citation:**

**Prof. Arjula Raachandra Reddy, born in a remote village Tharigoppula, Narmetta Mandal of Warangal District, Telangana State** has risen to the position of a distinguished Scientist, Educationist and Academic Administrator. He was honored with appointment twice as Vice Chancellor of Yogi Vemana University, Kadapa. His advanced scientific research work in the field of Genetics and Biotechnology of rice and maize is well recognized world over. After obtaining Ph. D., from Osmania University in Genetics, he moved on to the USA where he did outstanding research in Genetics both at Iowa State University, and the world famous Johns Hopkins University, USA. He then directly joined the faculty of University of Hyderabad in December 1978 and has been serving the university till to date with great distinction and dedication. He is a very popular teacher and a liberal research guide. He guided more than 50 students/scholars: Ph. D., (23) and M.Phil (17), Post Docs, visiting INSA fellows, Indian Academy Sciences sponsored fellows(10) besides guiding a large number of project students. He is credited with numerous research publications in National and International reputed journals. His work on maize and rice since 1970 has been acclaimed by researchers worldwide. His work is cited in top scientific journals across the world. He is well known among the scientific community for his high quality work and his powerful and lucid lectures, not only in his subject area but also in related issues arising out of the new biology and gene manipulation, and their impact on Indian agriculture. Prof. Reddy's lab focuses on research on genetics and Genomics of drought tolerance in rice. His world-class laboratory, which he has built from scratch, has been active in sequencing a huge number of rice genes and making them available in public domain. Dr. Reddy has attracted funding from highly reputed international organizations such as the

Rockefeller Foundation, European Union, CGIAR organizations besides national organizations such as Dept. of Biotechnology, UGC, ICAR etc to do research on drought and rice.

Prof. Reddy played an important role in establishing several National and International collaborations and developing advanced research programs using cutting edge technologies such as functional genomics, association genetics, genetic engineering plants etc. He has delivered numerous lectures in India and abroad including USA, Mexico, Canada, Italy, Philippines, Thailand, China, Singapore, Indonesia, Australia, New Zealand, Malaysia etc. he has been a visiting professor at the prestigious Max Planck Institute, Germany and Purdue University, USA. He received several awards and honors. notable among them are:

### **Achievements in Science Teaching, Research and Service:**

During his career at the Central University, Hyderabad for almost 35 years , he had served the institution with distinction and dedication. He has established a world class genomics facility that was extensively used for drought studies on rice and training many world class scientists. This facility for gene sequencing on a high through put scale helped researchers to sequence thousands of genes and DNA clone of mainly rice and other crop plants right in Hyderabad as early as in 1999 at the University of Hyderabad thus allowing his lab to compete with rest of the world with pride in gene sequencing, gene analysis and complex genomics and biotechnology research. He has been serving the Government of India as a member in several important and critical committees dealing with Agricultural Biotechnology and release of genetically engineered organisms: He served as the **Co-Chair, Genetic Engineering Approval Committee of the Govt of India**. He has been a **Member of National Task Force on Agribiotechnology**, and **Review Committee on Genetic Manipulation of Dept of Biotechnology, Government of India**, Ministry of Science and Technology. Beside he has been serving the International Science Panels that address Food Security in developing Countries such as Science Panel Member of Dept for International Development, Government of UK., European Research Network on Plant Genomics, France etc.

In recognition of his outstanding scientific contributions he was elected to the coveted **Indian Academy of Sciences**, which is a rare honor in India. Prof. Reddy has traveled widely and delivered a huge number of scientific lectures world over. He is also a reviewer of several international scientific journals. In summary, he has dedicated the best part of his academic life on teaching science and doing high quality research on improving drought tolerance in rice by using advanced tools of genetics, genomics and biotechnology.

As the **First Vice Chancellor** of Yogi Vemana University, he meticulously planned and executed the building plans as per world standards. Every care is taken to make this university as a model institution. He has implemented a strategic plan to move fast in both academic and infrastructure development. In a record time of about 2 and a half years, 27 academic Departments were created. Also, in the same time peraiod, the faculty strength is increased to 115 from just one faculty member in 2007. Many of the recruited faculty members from science stream were trained in USA, Germany, France, Italy, Korea, Spain, Japan, Taiwan, Israel etc. In addition, a full fledged Engineering College was also established in a record time in 2008.

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