BIO-DATA

1. **Name (in Block letters)** : **TIMMAVAJJULA GIRIDHARA KRISHNA**
2. **Designation** : Special Officer (Soil Health Management)
3. **Discipline/Department** : Soil Science & Agricultural Chemistry
4. **Place of work** : ANGRAU - Regional Agricultural Research Station, Institute of Frontier Technologies (IFT), Tirupati – 517 502(AP)
5. **Date of birth** : 09-09-1960
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7. **Academic qualifications:**

Degree/Diploma Certificate	**University/ Board**	**College or Place of Study**	**Month/ Year of Passing**	**Class Obtained**	**Remarks**
Post – Doctoral :					
1.Worked as **Visiting Scientist** in USDA, ARS at Beltsville Agrl.Research Center, Beltsville, MD, USA.	United States Department of Agriculture **(U.S.D.A), U.S.A.**	Cropping Systems & Global Change Lab, Beltsville Agrl. Research Center-West (BARC-W), Beltsville, MD, USA.	25.07.05 to 24.09.05	--	Crop Growth Modeling work in cotton using GOSSYM 2005 software.
2. PG Diploma in 'Application of Remote Sensing & GIS In Agrl. & Soils'	Indian Instiutte of Remote Sensing (**I.I.R.S**), Dehradun, Uttaranchal.	Indian Instiutte of Remote Sensing (I.I.R.S), Dehradun	June, 2002	**First**	**NNRMS** Fellowship, IIRS, Dehradun.
PhD (Oct.1990 to Jan. 1994)	University of Agricultural Sciences, Dharwad, Karnataka.	College of Agriculture, Dharwad.	Jan. 1994	**First**	ICAR Sr.Research Fellowship

M.Sc. (Ag.)	Tamil Nadu Agricultural University, Coimbatore.	Agricultural College Research Institute, Madurai.	Jan. 1984	**First**	P.P.C.L Fellowship
B.Sc. (Ag.)	A.P.Agricultural University, Hyderabad	S.V.Agrl.College, Tirupati.	May, 1981	**First**	National Merit Scholarship
Intermediate	Board of Intermediate Education, Hyderabad	Govt.Junior College, Jammalamadugu, Cuddapah (Dt.)	March, 1977	**First**	National Merit Scholarship
S.S.C	Board of Secondary Education, Hyderabad	A.P.Residential School, Kodigenahalli, Anantapur (Dt)	March, 1975	**First**	--

8. AWARDS & HONOURS:

Recipient of :

1. **National Merit scholarship** during Intermediate and B.Sc.(Ag) degree Education through Government of India from 1975-77 and from 1977-81.

2. **PPCL fellowship** through Pyrites Phosphates & Chemicals Ltd., Bangalore to carry out research programme in paddy during M.Sc (Ag) for the period from August 1981 to December, 1983.

3. **Senior Research Fellowship** in the Dept.of Soil Science & Agrl. Chemistry from Indian Council of Agricultural Research (**ICAR**), New Delhi, India during Ph.D. programme from October 1990 to November 1993.

4. **ANGRAU - MERITORIOUS RESEARCH WORKER award** for the year 2001 during the convocation held at ANGRAU, Hyderabad, in February, 2003.

9. **Brief highlights of the research carried out :**
    - In Scarce Rainfall Zone of A.P. the area of cultivable red soils is 8.76 lakh ha, black soils 9.26 lakh ha and problem soils 0.19 lakh ha.

    - Soils of the zone are deficient in P, Fe, Zn and to some extent S. Nitrogen is deficient in rainfed soils.

    - Calcium induced Fe deficiency is common in calcareous black soils. Iron deficiency symptoms (Interveinal Chlorosis) are commonly observed on groundnut, turmeric and dry paddy nurseries.

- Soil Test Crop Response studies were conducted in paddy, cotton, sorghum, setaria, sunflower, bengalgram and coriander.

- Organic farming experiment in rice crop grown under K.C.Canal ayacut was conducted with variety BPT – 5204 as test crop.

- Integrated Plant Nutrition Syatem (IPNS) studies were conducted in cotton variety Narasimha grown in vertisols under rainfed Conditions as a part of NATP Net work Project.

- Response to S and B was observed in sunflower and cotton indicating hidden hunger of these elements.

- Inter crops or inter crop rotations which include groundnut were found to maintain soil fertility.

- Conjunctive use of organics like green leaf manure for rice and FYM for rainfed crops and I.D. crops along with inorganic fertilizers was found better in improving crop yields than application of only inorganic fertilizers.

- Annabedi (Ferrous Sulphate) enriched FYM @ 5 t/ha was found economical in manipulating the ill effects of lime induced iron deficiency in groundnut and turmeric crops grown in calcareous soils.

- Groundnut varieties, Vemana (K-134), TMV 2, K-150 and Narayani (TCGS-320) were found performing better in calcareous black soils.

- Developed Crop Growth simulation Model "NDLCOT2006" in cotton crop under Visual Basic Platform.

- Prepared the "Physiographic soil map" of South Andaman district at 1: 25,000 scale under NNRMS Research Project, IIRS, Dehradun.

10. **Publications:** 41 in Indian and International Journals.

11. **Member of Professional Societies**:

1. Member of Indian Society of Soil Science, IARI, New Delhi.
2. Life member of Indian Society of Soil Survey and Land Use Planning, NBSS & LUP, Nagpur, Maharashtra.
3. Life member of Indian Science Congress Association (ISCA), Kolkata.

12. Total Years of Service: 30 years.

T.GIRIDHARA KRISHNA