**General Resume of Prof.Dr.H.Vijayaraghavan, Professor and Head of the Department of Crop Physiology and Dean of Agricultural College ( Tamil**

**Nadu Agricultural University, Coimbatore-641003, Tamil Nadu, INDIA).( Retired from Service on Superannuation).**

***'For the Recruiters'***

|  |  |
| --- | --- |
| **Name**  | **Prof. Dr.H.VIJAYARAGHAVAN** |
| **Date of Birth and Age**  | **16/05/1959 ; 64 years** |
| **Permanent Address** | **A 27 Kasturiba Street****Seshasayee Nagar, K.K.Nagar****Tiruchirapalli-620021****Tamil Nadu****INDIA** |
| **Address last worked** | DEANAdhiyamaan College of Agriculture and Research(Affiliated to Tamil Nadu Agricultural University, Coimbatore, INDIA)Athimugam - 635 105 Shoolagiri Taluk Krishnagiri District , Tamil Nadu, INDIA |
| **Phone No.**  | Mobile No. : +91 9443650324 |
| **Email**  | hvraghav1959@gmail.com |

**2. Professional Experience:**

|  |  |  |
| --- | --- | --- |
| d. | **Date of First Position as Assistant Professor of Crop Physiology**  | 28.10.1983 |
| e. | **Total Experience**  | 38 Years  |

**3. Details of experience possessed:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **S.No.** | **Post held last** | **Organisation** | **Nature of duties** | **Experience (In Years and Months)** |
| 1. |  Dean | Tamil Nadu Agricultural University, Coimbatore(State Agricultural University) | College Administration,Teaching, Research and Extension activities, Farm management including animal husbandry, poultry and dairy farms | Four and half years |

**4. Educational Qualification (In chronological order from the latest to Graduation level)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **S.No.** | **Qualification** | **University** | **Year** | **Subject(s) / Topics** | **% Achieved** | **Distinctions****etc.** |
| 1. | Ph.D  | TNAU, CoimbatoreINDIA | 1994 | Crop Physiology | OGPA of 4.00 / 4.00 | Distinction |
| 2. | M.Sc  | TNAU, Coimbatore, INDIA | 1982 | Plant Physiology | OGPA 3.86 / 4.00 | Distinction |
| 3. | B.Sc. | University of MadrasINDIA | 1976 | Botany | 81.0 % | Distinction |

**5. Administrative Experience/Post(s) & responsibilities held**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **S.No.** | **Post** | **Organisation / University** | **Duration** | **Experience** **(In Years and Months)** |
| **From****(Date)** | **To****(Date)** |
| 1. | **Head of the Department** | Professor and Head, Dept. of SCMS, HC and RI, PeriyakulamINDIA | 2002 | 2003 | One year |
|  |  | Professor and Head,Dept. of Crop Physiology, TNAU, Coimbatore | 05.07.2006 | 04.08.2009 | 3 years  |
| 4. | **Dean of Faculty** | **ACAR, TNAU,****INDIA** | **09.11.1917** | **23.02.2002** | **4 1/2 years** |
| 5. | **Member of Academic Council** | **TNAU,****Coimbatore****INDIA** | **09.11.2017** | **31.05.2019** | **More than one year** |

**6. (a) Academic/Teaching Experience & responsibilities (In chronological order from the latest to oldest)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **S.No.** | **Post** | **Organisation / University** | **Duration** | **Experience (In Years and Months)** |
| **From****(Date)** | **To****(Date)** |
| 1. | Asst.Professor |  TNAU (Pomology) | 1991 | 1992 | 1 |
| 2. | Asst.Professor | TNAU(WTC) | 1995 | 1996 | 1 |
| 3. | Asst.Professor | PAJANCOA | 2005 | 2006 | 1 |
|  | Asst.Professor |  TNAU(WTC) | 2006 | 2007 | 1 |
|  | Assoc.Professor | TNAU (PKM) | 2001 | 2004 | 3 |
|  | Professor | TNAU (PKM) | 2014 | 2015 | 1 |
|  | Professor | TNAU (CRP) | 2006 | 2009 | 3 |
|  | Professor | TNAU (CRP) | 2012 | 2014 | 2 |
|  | Professor | TNAU (HC&RIW) | 2015 | 2017 | 2 |
|  | Dean | ACAR | 2017 | 2019 | 1 |
|  |  | TOTAL |  |  | 16 |

**(b) Participation and contribution in relevant areas in higher education :**

|  |  |  |
| --- | --- | --- |
|  | **Organisation** | **Area of specialisation** |
| Visiting Professor |  |  |
| Resource Person | KAU, UAS Dharwad, BHU and Annamalai University and many other organisation | Have offered special guest lecturers whenever I happen to visit for Examination / Evaluation purpose. The areas include current trends in Plant Physiology, Mineral nutrition, Growth regulators, Abiotic stresses etc |

**(c) Involvement with formulation of academic programmes:**

|  |  |  |  |
| --- | --- | --- | --- |
| **S.No.** | **Nomenclature of Innovative Academic Programmes formulated** | **Date of approval by****Academic Council** | **Year of****Introduction** |
| **1.** | As part of academic programme I used to participate in teaching seminars, syllabus revision meetings, introduction of courses etc which are routine in nature in our University mode. | Regularly involved in teaching seminars, syllabus revision committe etc at periodical time as called by the University |  |

**(d) Important MoUs formulated for academic collaborations:**

|  |  |  |  |
| --- | --- | --- | --- |
| **S.No.** | **MoUs formulated** | **Name of Agencies/Departments involved** | **Year of MoU** |
| **1.** | Smart Agriculture | Coimbatore Institute of Engineering and Technology, & Maxbyte soft solutions, Coimbatore | 2019 |
| **2.** | Design and validation of multi band antenna sensor for agricultural operations | Dept. of Electronics and Communications Engineering, St.Peters University, Chennai | 2019 |

**7. International academic Exposure, if any**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **S.No.** | **Post / Assignment** | **Organisation / University** | **Area of Assignment** | **Duration** |
| **From** | **To** | **In Years & Months** |
| **1.** | Post Doctoral fellow | Taiwan Agricultural Research Institute, Wufeng, Taiwan | Advanced Training Course on Tissue Culture | 14.10.2001 | 26.10.2001 |  | Two weeks  |
| **2.** | Post Doctoral fellow | Hebrew University of Jerusalem, Israel | Biotechnology In Agriculture: Plants And Microorganisms” |  13.1.2004  | 2.3.2004 | Two months |
| **3.** | Post Doctoral fellow | Mississippi State University, USA  | Soil plant Atmospheric Research on Cotton | January,2009 | March, 2009 | Two months |

**8. Scholarly achievements:**

1. **Contribution to Journals and Books:**

|  |  |
| --- | --- |
|  | **Details** |
| Books authored | Five in regional language (Tamil) |

1. **Publication:**

**BOOK CHAPTERS**

**Vijayaraghavan, H.,** Vincent, S. and Balakrishnan, K. 2009. Physiological aspects of grain yield in soybean. In: Legumes: Their production, Improvement and Protection. (Ed), M.Prakash and S.Murugan, Satish Serial Publising House,New Helhi. Pp.223-234.

Vincent, S. **H.Vijayaraghavan** and K.Balakrishnan 2009. Field screening of greengram genotypes (Vigna radiate (i) Wilczek ) to drought tolerance. Legumes – Their Production, improvement and protection. Sathish serial Publishing house 289-302, ISBN 81-89304-70-4.

**Vijayaraghavan ,H.,** Vincent, S. and K.Balakrishnan 2009. Physiological aspects of grain yield in soybean. Legumes – Their Production, improvement and protection. Sathish serial Publishing house 223-234, ISBN 81-89304-70-4.

**RESEARCH ARTICLES**

Mohandass, S., Sumathi, A., **Vijayaraghavan, H.**, Ranghaswami, M.V. and Velu,G. 2006. Physiology of screening of coriander genotypes for salt tolerance. Abst. National Seminar on Plant Physiology – Physiological and Molecular Approaches for the Improvement of Agricultural, Horticultural and Forestry Crops. 28-30 Nov. 2006. Kerala Agricultural University, Vellanikkara. Pp.

Alagu Palamuthir Solai, M. and **Vijayaraghavan, H. 2006**. Certain leaf micro nutrient concentrations in relation to chlorosis syndrome in sugarcane varieties. Abst. National Seminar on Plant Physiology – Physiological and Molecular Approaches for the Improvement of Agricultural, Horticultural and Forestry Crops. 28-30 November, 2006. Kerala Agricultural University, Vellanikkara. Pp.

**Vijayaraghavan, H.** 2006. Sucrose accumulation pattern in sugarcane (*Saccharaum Officinarum*) with reference to boron nutrition. Abst. National Seminar on Plant Physiology – Physiological and Molecular Approaches for the Improvement of Agricultural, Horticultural and Forestry Crops. 28-30 November, 2006. Kerala Agricultural University, Vellanikkara. Pp.

**Vijayaraghavan, H. 2007**. Climatic Requirements for maximising Sugarcane Yield And Quality. Abst. National conference on “Impacts of climate change with particular reference to agriculture” Aug.22-24,2007, TNAU, coimbatore-3.

Vincent, S. and **Vijayaraghavan, H. 2007.** Seasonal Influence on Nut Yield And Barren Nut Production In East Coast Tall And Hybrid Coconut. Abst. National conference on “Impacts of climate change with particular reference to agriculture”, Aug.22-24, 2007, TNAU, coimbatore-3.

 **Vijayaraghavan, H.** and Balakrishnan, K.2007. Raising Level of CO2 In Atmosphere - Physiological Implications On Crops. Abst. National conference on “Impacts of climate change with particular reference to agriculture”, Aug.22-24,2007, TNAU, coimbatore-3.

**Vijayaraghavan, H**. 2007. Certain leaf physiological parameters associated with drought tolerance in sugarcane. Abst. Agricultural Science Congress. 15-17 February 2007. pp. 90-91

Alagupalamuthirsolai, M., **Vijayaraghavan, H**. and Karthikeyan, R. 2007. Bioefficacy of biozyme ( sea weed extract) and other growth regulators on organic chilli ( C*apsicum annuum L*.) Abst. National Seminar On Plant Physiology – physiological and molecular approaches for increasing yield and quality of agricultural, horticultural and medicinal plants under changing environment. 29-30 Nov. & 1st Dec.2007. Dr.B.S.Konkan Krishi Vidyapeeth, Dapoli Maharstra pp122.

 Alagupalamuthir solai, M., **Vijayaraghavan, H**. and Karthikeyan,R. 2007. Influence of biozyme ( sea weed extract) and other growth regulators on abiotic resistance in organic chilli ( *Capsicum annuum L.)* Abst. National Seminar On Plant Physiology – physiological and molecular approaches for increasing yield and quality of agricultural, horticultural and medicinal plants under changing environment. 29-30 Nov.& 1st Dec.2007. Dr.B.S.Konkan Krishi Vidyapeeth, Dapoli Maharstra pp139.

Krishna Surender, K. Alagu palamuthir solai, M., **Vijayaraghavan, H**. and Subburamu, K. 2007. Bioefficacy of biozyme ( sea weed extract) and other growth regulators on organic chilli ( *Capsicum annuum L.)* Abst. National Seminar on Plant Physiology – Physiological and molecular approaches for increasing yield and quality of agricultural, horticultural and medicinal plants under changing environment. 29-30 Nov.& 1st Dec.2007. Dr.B.S.Konkan Krishi Vidyapeeth, Dapoli Maharstra pp142.

Alagu palamuthir solai, M., **Vijayaraghavan, H.,** Mallika Vanagamudi, Karthikeyan,R and Yatin J.Mokal. 2007. Comparative efficacy of biozyme and certain growth regulators on growth and yield of organic chilli ( *Capsicum annuum L.)* Abst. National Seminar On Plant Physiology – physiological and molecular approaches for increasing yield and quality of agricultural, horticultural and medicinal plants under changing environment. 29-30 Nov.& 1st Dec.2007. Dr.B.S.Konkan Krishi Vidyapeeth, Dapoli Maharstra pp145.

**Vijayaraghavan, H. 2007**. In vitro screening and induction of salt tolerance in sugarcane. Abst. National Seminar On Plant Physiology – physiological and molecular approaches for increasing yield and quality of agricultural, horticultural and medicinal plants under changing environment. 29-30 Nov.& 1st Dec.2007. Dr.B.S.Konkan Krishi Vidyapeeth, Dapoli Maharstra pp152.

Alagupalamuthirsolai, M., Vijayalakshmi,D.and **Vijayaraghavan, H.** 2007. Effect of elevated CO2 on rice. Abst. International Symposium on Agrometeorology and Food Security. 18-21 February, 2008. Central Research Institute for Dryland Agriculture, Hyderabad. Pp.39.

Sritharan, N. , Vijayalakshmi,D. and **Vijayaraghavan, H**. 2007. Aerobic Rice: saves water and reduces Methane Emission. Abst. International Symposium on Agrometeorology and Food Security. 18-21 February, 2008. Central Research Institute for Dryland Agriculture, Hyderabad. pp.53-54.

**Vijayaraghavan, H.,** Vincent, S. and Balakrishnan, K. 2009. Physiological aspects of grain yield in soybean. In: Legumes: Their production, Improvement and Protection. (Ed), M.Prakash and S.Murugan, Satish Serial Publising House,New Helhi. Pp.223-234.

**Vijayaraghavan, H** and Ananthi, K. 2010. Physiological aspects of drought tolerance in cotton genotypes under changing agroclimate (Gossypium Spp.) National Conference of Plant Physiology, Banarus Hindu University, Varanasi, 25-27, Nov.2010.

**Vijayaraghavan, H**., Pandiyan, M. and Geetha,S. 2011. Physiological traits associated with tolerance to pre harvest sprouting and high yield in mungbean genotypes. National Seminar on Sustainable Crop Productivity through physiological intervention. Ramnarain Ruia College, University of Mumbai, Mumbai. 24-26, Nov.2011.pp. 6.

Ananthi, K., **Vijayaraghavan, H** and Ravikesavan, R. 2011. Association analysis of physiological and biochemical parameters with yield components in cotton genotypes under drought stress. Ramnarain Ruia College, University of Mumbai, Mumbai. 24-26, Nov.2011.pp. 8.

**Vijayaraghavan, H**. and Geetha,S. 2011. Impact of ‘Allwin Top Drip Special’ for Boosting Groundnut Yield through Drip Fertigation System. National Seminar on Sustainable Crop Productivity through physiological intervention. Ramnarain Ruia College, University of Mumbai, Mumbai. 24-26, Nov.2011.pp. 20.

**Vijayaraghavan, H.** 2011. Effect of foliar application of ‘Allwin Top Legume Special’ on growth and yield of Pigeonpea. National Seminar on Sustainable Crop Productivity through physiological intervention. Ramnarain Ruia College, University of Mumbai, Mumbai. 24-26, Nov.2011.pp.26.

Ananthi, K. and **Vijayaraghavan,H**. 2011. Increase of ABA synthesis improves drought tolerance in cotton. National Seminar on Sustainable Crop Productivity through physiological intervention. Ramnarain Ruia College, University of Mumbai, Mumbai. 24-26, Nov.2011.pp. 52.

Ananthi, K. and **Vijayaraghavan,H**. 2011. Fiber quality related traits of cotton genotypes in relation to k content under water stress. National Seminar on Sustainable Crop Productivity through physiological intervention. Ramnarain Ruia College, University of Mumbai, Mumbai. 24-26, Nov.2011.pp. 54.

**Vijayaraghavan, H**., Sundar, M. and Geetha,S. 2011. Integrated Nutrient Management in Pulses. Book Chapter under press, O/o The Director of Research, TNAU, Coimbatore.

Ananthi, K,,Vijayaraghavan,H.,Karuppaiya,M.and Anand,T..2013. Drought-induced changes in Chlorophyll Stability Index, Relative Water Content and Yield of Cotton
Genotypes. **Insight Botany**. 3(1):1-5,2013.

Ananthi, K. and Vijayaraghavan, H. (2012). Development of drought tolerant index in cotton genotypes based on relative water content and yield. ***Asian J. Bio. Sci.*,** **7** (2) : 138-144.

Ananthi, K. and Vijayaraghavan, H. 2012.Soluble Protein, Nitrate Reductase Activity and Yield Responses in Cotton genotypes under water stress. **Insight Biochemistry.** 2(1):1-,2012

Ananthi, K. and Vijayaraghavan, H..2016. Stomatal Responses to Water Stress in Cotton.
 **Journal of Environmental Science, Computer Science and Engineering &
 Technology.** March 2016- May 2016; Sec. A; Vol.5. No.2, 76-83.

Ananthi, K. and Vijayaraghavan,H. 2012. Rapid determination of soluble
protein content,nitrate reductase activity and yield studies in cotton genotypes under water stress. International journal of Food, Agriculture and Veterinary Sciences. Vol. 2 (1) January-April, pp.147-152

Ananthi, K., Vijayaraghavan,H., Karuppaiya, M., Gomathy, M., .Anand T. and Senthil Raja,G. 2012. Analysis of physiological and Biochemical parameters with yield components in cotton genotypes under drought stress. **Advance Research journal of crop Improvement**.Volume.3.issue 1.June

Partheeban, C. and  **Vijayaraghavan,H.** 2017. Evaluation of blackgram(*vignamungo* (L.) Hepper) genotypes under high temperature and interaction with elevated carbon dioxide. Research Journal of Recent Sciences. Vol. 6(1), pp.1-4.

Partheeban, C.,  **Vijayaraghavan, H.,** Vijalakshmi, D. and Boominathan, P. 2015. TIR as a rapid screening technique to identify the thermotolerance of pulses at early growth stage***In:***Proc. Third Agricultural graduate student conference. Tamil Nadu Agricultural University. Coimbatore. pp.20-21. **ISBN:978-93-83799-27-5**

Partheeban, C., **Vijayaraghavan, H.** and Boominathan, P. 2014. Impact of high temperature on certain Biochemical parametres in Blackgram (*Vignamungo*) genotypes.***In:*** Sustainable Agriculture to FUEL (Feed, Unite, Educate and Lead) the future. pp.9-13. **ISBN:978-93-83799-17-6**

Partheeban, C., **Vijayaraghavan, H**., Boominathan, P. and Pandiyan, M. Mitigation of the high temperature stress associated withreproductive biology in blackgram (Vignamungo L. Hepper) genotypes by elevated carbon dioxide.Nature, Environment and Pollution Technology. (Accepted)

Partheeban, C.,**Vijayaraghavan, H.** and P. Boominathan. 2017. A Rapid and Reliable Method to Assess the Blackgram (*Vignamungo* (L.) Hepper) Genotypes for Thermotolerance. International Journal of Bioresource and stress management. 8(1):006-011*.*

Partheeban,C., **Vijayaraghavan**,H., Boominathan,P. and Srividhya, S. Screening of Black gram genotypes for thermotolerance by using Temperature Induction Response technique. ***In****: S*econd scientific Tamil conference in Agriculture. Pp.20-24. **ISBN:81-902877-3-7.**

Partheeban,C., **Vijayaraghavan**,H.,Sowmyapriya,S,.Srividhya,S.and Vijayalakshmi, D. 2016. Temperature induction response and accumulation ofstarch granules as indices to identify the thermotolerance of pulses at early growth stages. Legume Research, 40(4) 2017 : 655-659.

Sathiakumar, K.P. and **Vijayaraghavan, H**. 2015. Effect of Phosphorus Deficiency on Gas Exchange Characters and Leaf Greenness (Spad) in Soybean (*Glycine Max (L) Merr*.) Genotypes. Trends in n Biosciences 8(24), 6854-6858.

Sathiakumar, K.P. and **Vijayaraghavan, H**. 2015. Screening of Soybean Genotypes (*Glycine max (L) Merr.)* with Reference to Yield Under Low Phosphorus Condition. Trends in Biosciences 8(23),6700-6703.

**Vijayaraghavan, H.**  and Partheeban, C. 2013. Membrane lipids and Abiotic stress tolerance. ***In:***Proc. National seminar on Abiotic stress management. Tamil Nadu Agricultural University. Coimbatore. pp.183-193. **ISBN:978-93-83799-15-2**

**Vijayaraghavan, H.** and Partheeban, C.2013. Studies on crop logging in relation to growth, yield and quality of sugarane. ***In:***Proc. National seminar on Nutritional Physiology. Tamil Nadu Agricultural University. Coimbatore. pp.13-20. **ISBN:978-93-81972-44-1**

**Vijayaraghavan, H**. and Sathiyaraj, S. 2018. Physiological aspects of abiotic stress tolerance in vegetable crops - a mini review. National Seminar Cum Work shop on abiotic stress management. UGC-SAP Programme. Annamalai University, Dec.26-27th 2017. (In Press)

**Vijayaraghavan, H.,** Sathiyaraj, S., Kabariel, J. and Sanjeeva Gandhi, M. 2017. Evaluation methods for assessing the abiotic stress tolerance in crops. National Seminar Cum Work shop on abiotic stress management. UGC-SAP Programme. Annamalai University, Dec.26-27th 2017. (In Press)

**Vijayaraghavan, H.,** Sathiyaraj, S., Kabariel, J. and Sanjeeva Gandhi, M. 2017. Physiological aspects of abiotic stress tolerance in vegetable crops - a mini review. National Seminar Cum Work shop on abiotic stress management. UGC-SAP Programme. Annamalai University, Dec.26-27th 2017.

**Vijayaraghavan, H**. and Sathiyaraj, S. 2018. Salt stress and crop response-an over view. **National Seminar on abiotic Stress agriculture** : **Constraints and Strategies**. Annamalai University, Chidambaram. March 6th and 7th, 2018. pp2.

**Vijayaraghavan,H**., Pandiyan,M. and Sundar,M. 2018. Physiological traits associated with high yield and tolerance to pre harvest sprouting in green gram (*Vigna radiata* (L.) Wilczek). National Seminar on Abiotic Stress management: Challenges and opportunities, Tamil Nadu Agricultural University, Coimbatore-3, 25-26th October,2018.Pp.

**Vijayaraghavan, H.** 2019. Molecular, cellular and physiological impact of heat stress in crops - a mini review. Abst. National Seminar on climate resilient agriculture for abiotic stress. UGC-SAP Programme. Annamalai University, March,12-13,2019. Pp.11-12.

**Latest Books published**

Kannan,D., Mohan,C., Kabariel,J. and **Vijayaraghavan,H.** 2018. Tropical Vegetable Science.Thannmbikkai Publication, Coimbatore.

Sathiyaraj,S.,Alagendran,S.,Sivaji,M. and **Vijayaraghavan,H.** 2018. Plant Biochemistry for agricultural Sciences.Thannmbikkai Publication, Coimbatore.

Kannan,D., Palanisamy,A.,Kalaimani,M., Mohan,C. and **Vijayaraghavan,H.** 2018. Basic Concepts of Vegetables and Spices Production. Thannmbikkai Publication, Coimbatore.

Sivaji,M., Sathiyaraj,S., Mohan,C.. and **Vijayaraghavan,H.** 2018. Basic Concepts of Plant Biotechnology. Thannmbikkai Publication, Coimbatore.

**B.II List of articles in popular magazines or newspapers**

 **Total Articles: more than 25 in regional languages for the farmers.**

**C. Participation and scholarly presentations in National and International Conferences : About 50.**

**D. Participation and contribution in National/International Fora in the area of your academic and professional expertise**

|  |  |
| --- | --- |
|  | Number(s) |
| Plenary Lectures/Invited Talks | International  | **5** |
| National |
| Congresses attended | International  | **2** |
| National |
| Examinership etc. | International  | **10** |
| National |
| Others (Specify) | International  |  |
| National |

**9. Research Projects:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **S.No.** | **Title of the Project** | **Sponsor Name** | **Duration of the Project** | **Amount of Grant****(Rs. in Lakhs)** | **PI or Co-PI** |
| 1. | Hormonal manipulation for the control of flower and boll shedding in relation to a biotic stress tolerance in cotton | ICAR (50 crore) | 2006-09 | 20.00 | PI |
| 2. | Drought alleviation measures in dry land crops through plant growth regulators (PGRs) | Part II Plan scheme Govt. of Tamil nadu | 2006-08 | 6.50 | PI |
| 3. | Field evaluation of Progibb 40 % WSG (Gibberellic acid 40% WSG) in grapes | Private IndustryM/s Sumitomo Chemical India Pvt.ltd., New Delhi | 2008-09 | 2.50 | PI |
| 4.  | Evaluation of FANTAC biostimulant on the growth and yield of rice, chillies and grapes. | Private IndustryM/s Coromental Indag Ltd, Hyderabad | 2006-2008 | 4.00 | PI |
| 5. | Evaluation of biozyme – Biostimulant on growth and yield of chillies | Private IndustryM/s Coromental Indag Ltd, Hyderabad | 2006-07 | 2.00 | PI |
| 6. | Field evaluation of ‘Allwin Top legume Special’ in red gram  | Private Industry Sree Ramcides Chemical Private Ltd, Chennai | 2009-10 | 1.15 | PI |
| 7. | Physiological Impact of ‘Allwin Top Drip Special in Ground nut .  | Private Industry Sree Ramcides Chemical Private Ltd, Chennai | 2010-11 | 4.70 | PI |
| 8. | High throughput marker assisted selection for drought tolerance and fibre quality in cotton genotypes  | CSIR-JK Agri Genetics, Hyderabad | 2007-12 | 1.00 crore | CoPI |
| 9. | Impact of elevated CO2 and high temperature interaction in blackgram genotypes | UGC, New Delhi | 2012-2015 | 8.00 lakhs  | PI |

**10.Consulting experience:** As an Agricultural Scientist I used to go for consultation primarily to the Department of Agriculture, Horticulture and other stake holders which formed our part of our profession.

**11. Honours /Awards & Fellowships for Outstanding Work:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sr.No.** | **Name of Award/Fellowship etc.** | **Elected / Honorary Fellow** | **Awarded by** | **Year of Award** |
| 1. | Young Scientist Award | Elected | Indian Sciety of Plant Physiology, New Delhi | 1989 |
| 2. | Bharat Ratna Indira gandhi Gold Medal Award | Elected | Global Economic Progressand Research Association, Thiruvannamalai | 2019 |

**12. No. of Research Scholars successfully guided :**

|  |  |
| --- | --- |
| **Name of Programme** | **Awarded (No.) (Under-progress not to be included)** |
| M.Sc(Agri) Crop Physiology | 4 |
| Ph.D.Crop Physiology | 3 |

**13. My Vision on academic and other activities.**

|  |
| --- |
| If given an opportunity, my overall vision would be ....* to create an atmosphere of high learning environment by both students and staff - motivation and inspiration, an interaction of this gives rise to excellence. Motivation comes from outside whereas inspiration is in borne- we need to
	+ wake up the people by the art of infusing knowledge.
* Any Institution growth depends on sustenance of progress- setting a goal in each department- marching towards it until reached the target
* Periodical evaluation of what has been done, what remains to be done, what are the bottlenecks, and how to address the system
* Any University or institution is the centre of light which paves way for growth and development. New lessions, syllabus, introduction of state of art programmes, recent analysis of education system, taking in to account the plus and minus, and rectification measures
* Always be instrumental, positive in approach, shedding down short comings, minimising misunderstanding, transparent and fruitful administration
* Encourage young bloods, putting them in main stream, setting them targets, full engagement of time in a more productive way will help them to devote fully without any diversion of mind
* It is up to the Administrator to have team approach, putting all in one bundle and make them realise the real targets-impress them upon the significance of curricula delivery systems
* A good teacher is student friendly- off class reading and extra bounce will strengthen students grasping power. We shall work together to achieve the goals
* Given the opportunity, I shall put to boost the existing research and extension activities, particularly to help the farmers to get more yield of crops which will be eco friendly and result oriented.
* I will be too glad to meet any requirement based on the needs of the employer as i have confident of reorienting any profession assigned to me.
 |

**14. Strengths to fulfill the above vision**

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| I have completed nearly 40 years of service in Tamil Nadu Agricultural University (TNAU) in various Colleges and Research Stations. I have joined in TNAU during October 1983 at Coconut Research Station, (TNAU) Veppankulam and worked for more than five years which has earned me **“Young Scientist Award”** for contribution to Patho-Physiology of Thanjavur wilt affected coconut by the Indian Society for Plant Physiology, IARI, New Delhi during 1989. This disease is lethal to the palm.I standardized the root feeding technique with nutrients and hormones and was successful which later became a commercial product **’TNAU Coconut Tonic’** I have served at Sugarcane Research Station, Sirugamani for more than eight years and contributed to the sugarcane, banana and oil palm development. My work on the design and development of a hormone nutrient mix has paved way to increase the cane yield and quality and alleviated the problem of **Iron Chlorosis** which is universal in any cane growing area. Due to my smart and continuous hard work a commercial product **‘Sugarcane Booster’** was developed test verified and now in the process of commercialization. I have done *in vitro* screening for salt tolerance in banana and developed techniques for induction of salt tolerance. I am responsible for establishing and strengthening of tissue culture laboratory at SRS, Sirugamani and HC and RI, Periyakulam..I have been made in charge of the Professor and Head, Department of Crop Physiology and served for three years from 2006 to 2009.  I have contributed at large, to the design and development of crop specific foliar formulations to increase the yield. My experience with the development of ‘TNAU Coconut Tonic’ formed the basis to combine unique combination of having both nutrients and hormones that play vital role in crop metabolism. The foliar formulations for major crops, namely, Pulses, Sugarcane, Cotton, Groundnut and Maize were developed. The products are now named as ‘Sugarcane Booster’, ‘Groundnut Rich’ ‘Pulse Wonder’, ‘Maize Maxim’, ‘Cotton Plus’ and ‘Banana Booster Mixture’. At that time when my department resources were not that much encouraging, the commercial production of these new products under VCS was done and much revenue could be generated, besides improving the income of the farmers by way of improved production techniques.  I have served both as UG and PG teacher for more than ten years and the students have been motivated and prepared for academic excellence. Some of students are pursuing higher studies in US Universities. I developed new curricula and introduced ‘molecular plant physiology’ for Ph.D level. As I have much exposure in many research stations and gained experience in a muti disciplinary expertise, the farmers and the development departments have much interactions with me I am often quoted as the most practical plant physiologist. Where ever I am posted, I am liked by my superiors as my work turn out is at high velocity, fruitful and perfect. I got experience in Plant Tissue Culture and trained in Taiwan, Israel and USA.  I have lot of professional satisfaction and regard me that I have delivered the goods in a most perfect and successful manner. Many works connected with farm and institution development as entrusted by my superiors are actively involved and at many times executed by voluntary basis.  In as much as my contributions are evaluated, I consider myself fit for the post of the Vice Chancellor and it is my time bound devoted duty and responsibility to add much value to the post, in terms self renewal, delivery systems, faculty development and at large, Institution growth and sustainability to achieve the target goals I would be an asset to the Institution, I remain,I Pray for encouragement… |