

BIODATA

1. Name of the candidate : **Dr. K.V. MADHUSUDHAN**
2. Father Name : K. Venkata Subbaiah
3. Date of Birth : 01-08-1972
4. Present Address : **Abbas Nagar,**
KURNOOL 518 002, AP, INDIA
5. Office Address : Lecturer in Biological Sciences
IASE
KURNOOL, 518 002, AP, INDIA

6. Academic career

Ph.D. : Department of Botany, S.K. University, Anantapur, AP, INDIA in 2009

M.Phil. Department of Botany, S.K. University, Anantapur, AP, INDIA in 1999

M.Sc. : Department of Botany, S.K. University, Anantapur, AP, INDIA in High First Class (74.83) in 1995

M.Ed. : Department of Education, Annamali University, Annamalia Nagar, Tamilnadu in Second Class (59.55) in 2001

7. Technical Qualifications

1989: Passed **Type writing** (Lower Grade) in **Second Class**, conducted by State Board of Technical Education, Hyderabad, (AP)

8. Teaching Experience:

Sl.No.	Institution Served	Post/ Designation held	Classes taught	From	To
1.	Govt. Jr. College Lepakshi Anantapur Dist.	Junior Lecturer in Botany	Intermediate	15-01-2002	06-06-2008
2.	Govt. Jr. College (Town) Kurnool	Junior Lecturer in Botany	Intermediate	07-06-2008	05-11-2010
3	PS Govt Degree College, Penukonda, Anantapur Dist.	Lecturer in Botany	Degree	06-11-2010	16-05-2013
4	Govt. Degree College (Men) Kurnool	Lecturer in Botany	Degree	17-05-2013	12-07-2023
5	IASE Kurnool	Lecturer in Biological Sciences	B.Ed Studetns	13-07-2023	Till date

9. Research Experience: 12 years

- **1999:** Awarded M.Phil., Degree in Botany entitled “**Studies on certain physiological and biochemical responses of a high yielding groundnut cultivars (*Arachis hypogaea* L. cv. K-134) to water stress**” from S.K.University, Anantapur, AP, India.
- **Ph.D Degree:**
 - Title: “**Studies on physiological and biochemical responses of two high yielding groundnut cultivars (*Arachis hypogaea* L. cv. K-134 and JL-24) with contrasting drought tolerance**”
 - Guide: **Prof. CHINTHA SUDHAKAR**, Dept. of Botany, SKU, Anantapur
 - Year of Award : 2009
 - University: S.K.University, Anantapur, AP, India.

10. Awards/ Scholarships/Fellowships

- **1995:** Secured **University Second Rank** at M.Sc. level
- **1996:** Qualified for **JOINT CSIR- UGC/NET** Examination held on 31st December, 1995, and awarded **JRF** under **CSIR** Fellowship schemes
- **1999:** Nominated for **Russian Government Scholarships** (Junior Research Fellowship) Recommended by the Selection committee, Government of India, Ministry of Human Resource Development, Department of Education, New Delhi.
- **2011:** Awarded **Best Poster Presentation** (First Prize) in **National Seminar** on “Application of Microbes in Management of Agriculture and Environment (AMMAE)” for presenting the paper entitled ‘*Differential responses of lipid peroxidation and antioxidant enzymes in the leaves of two groundnut cultivars subjected to water stress*’ organized by Department of Microbiology, S.K.University, Anantapur, AP from 04th to 06th March, 2011
- **2012:** Awarded **Best Poster Presentation** (Second Prize) in **National Seminar** on Plant Physiology on Physiological and Molecular approaches for development of Climate Resilient Crops for co-presenting the paper entitled Lead induced oxidative stress caused alterations in antioxidant efficacy and proteome responses in groundnut (*Arachis hypogaea* L. cv. K6) organized by Department of Crop Physiology, Acharya NG Ranga Agricultural University, Hyderabad, AP and Indian Society of Plant Physiology, New Delhi from 12th to 14th December, 2012.
- **2013:** Presented **Best Teacher Award** by Science Tech Foundation, Bangalore, organized at University College of Technology, Osmania University, Hyderabad, AP, India on 27th December, 2013.
- **2019:** Presented **Best NSS Programme Officer** by SV Subba Reddy Foundation, Kurnool at 19th National Cultural Festival, Kurnool, AP, India on 13th November, 2019
- **2020:** Received **Certificate of Commendation** on the eve of National Youth Day in recognition of outstanding contribution for development of youth 12th January, 2020 from Department of Youth Services, Govt. of AP, SETKUR Kurnool.
- **2020:** Received **Certificate of Commendation** on the eve of Republic day National Youth Day in recognition of best performance 26th January, 2020 from the District Collectorate and District Magistrate, Kurnool
- **2021:** Presented **Best Teacher Award** by Manavatha NGO, Kurnool AP, on the eve of Teachers day, AP, India on 5th September, 2021.

11. Research Projects:

2015: Completed Minor Research Project Entitled “Evaluation of guar cultivars (*Cyamopsis tetragonoloba* L. Taub.) for drought tolerance: A Physiological and biochemical approach” funded by UGC for an amount of Rs.250000-00, in March 2014

12. Publications

1. **1999:** S.Giridharakumar, A.Lakshmi, **K.V. Madhusudhan**, S.Ramanjulu, C.Sudhakar – Photosynthesis parameters in two cultivar’s of mulberry differing in salt tolerance – *Photosynthetica*. 36: 611- 616,
2. **2000:** S.Giridharakumar, **K.V.Madhusudhan**, N.Sreenivasulu, C.Sudhakar – Stress responses in two genotypes of mulberry (*Morus alba* L.) under NaCl salinity – *Indian Journal of Experimental Biology*. 38 : 192 – 195,
3. **2002** : **K.V.Madhusudhan**, S.Giridarakumar, G.S.Ranganayukulu, P.S.Chandraobul Reddy, C.Sudhakar - Effect of water stress on some physiological responses in two groundnut (*Arachis hypogaea* L.) cultivars with contrasting drought tolerance- *Journal of Plant Biology* – 29 : 199-202,
4. **2013:** **K.V.Madhusudhan**, C.Sudhakar. Reactive Oxygen Species and Antioxidant Defense in Response to Abiotic Stresses in Plants – *Journal of pharmacy and chemistry* – 07(4): 03-08.
5. **2014:** **K.V.Madhusudhan**, C.Sudhakar. Alterations in proline metabolism in groundnut (*Arachis hypogaea* L.) under soil water deficits – *International Journal of Scientific Research* – 03(3): 57-58.
6. **2014:** **K.V.Madhusudhan**, C.Sudhakar. Morphological responses of a high yielding groundnut cultivar (*Arachis hypogaea* L. cv. K-134) under water stress – *Indian Journal of Pharmaceutical and Biological Research* – 02(1): 35-38.
7. **2014:** **K.V.Madhusudhan**, C.Sudhakar. Water relations in the leaves of two high yielding groundnut cultivars subjected to drought stress– *International Journal of Scientific Research* – 03(4): 48-49.
8. **2014:** **K.V.Madhusudhan**, C.Sudhakar. Effect of water deficit stress on growth and chlorophyll pigments in two cultivars of groundnut– *Indian Journal of Research* – 03(4): 8-9.
9. **2015:** **K.V.Madhusudhan** and S.Mohammad Ghouse Biodiversity: A Potential Source of Natural Product drug discovery - *Journal of pharmacy and chemistry* – 09(1): 18-21
10. **2015:** **K.V.Madhusudhan** and C.Sudhakar Changes in carbohydrate status during water stress in groundnut (*Arachis hypogaea* L.) *Indian Journal of Research* – 04(4): 1-2.
11. **2015:** **K.V.Madhusudhan** and C.Sudhakar Changes in growth and photosynthetic attributes of groundnut plants in response to different drought stress treatments – *International Journal of Pharmacy and Integrated Life Sciences* – 02(6): 84-92.
12. **2015:** S.Mohammad Ghouse, **K.V.Madhusudhan** and Meer Altaf Ahmed Effect of Chronic smoking on plasma lipid profile in male smokers of Kurnool Dist. *Journal of pharmacy and chemistry* – 09(1): 07-09.
13. **2015:** **K.V.Madhusudhan** and C.Sudhakar Morpho-photosynthetic responses of groundnut subjected to short term water stress followed by rehydration recovery. In: New Horizons in Biotechnology. (Eds. Viswanath B. and Indravathi G.) Paramount Publishing House, India, pp. 250 - 252.
14. **2015:** **K.V.Madhusudhan** Biofuels From Algae: A Sustainable and Secure Green Energy In: Green Chemistry : Contribution to the Environmental

- Sustainability. (Eds. Nageswara Rao B and Janaki M.L.) Paramount Publishing House, India, pp. 215 - 219.
15. **2015:** Shaik Masood Ahmed and **K.V.Madhusudhan** Science and Technology in Harmony with Socio Cultural Environment In: Innovations in Science Education: A Research Oriented Approach (Eds. Indira P. Padmini, K. Kamakshamma J.) Paramount Publishing House, India, pp. 162-164.
 16. **2015:** **K.V.Madhusudhan** and S.Mohammad Ghouse Applications of natural fibre silk for the human welfare : A Review In: New trends on advance materials (Ed. Sivaramaiah G.) Paramount Publishing House, India, pp. 131-134.
 17. **2015:** S.Mohammad Ghouse and **K.V.Madhusudhan** Biomaterials:Scope, Applications for human welfare In: New trends on advance materials (Ed. Sivaramaiah G.) Paramount Publishing House, India, pp. 127-130.
 18. **2015:** **K.V.Madhusudhan** A comparative study on reading comprehension in English at higher secondary school level in relation to certain demographic variables In: Emerging issues in teacher education (Eds. Sudheer Reddy K.S., Ravindranath K.M., Shankar, P. Madhukar, G) Publish World, Anand, Gujarath India PP 145-148 ISBN: 978-81-928910-2-6
 19. **2015:** **K.V. Madhusudhan**, P.Sreevani, V.Saleem Basha S.J.Ravi Prakash, Respecting human rights: An approach for environmental sustainability in the era of globalization In: Protection & Promotion of Human rights: Role of civil society (Ed. Diwakar Reddy, A.C.R.)
 20. **2015:** **K.V. Madhusudhan**, P.Sreevani, V.Saleem Basha S.Mohammad Ghouse Swachh Bharat Mission: An environmental friendly clean India campaign In: Swachh Bharat – Role of society (Eds. Johnson Satrus, N.A. Rangantha, G) pp 224-227 ISBN:978-93-85100-50-5
 21. **2015:** **K.V. Madhusudhan** V.Saleem Basha Strategies for the protection of childreans rights In:Human rights: Trends and issues (Ed.Prabhakara Reddy K)
 22. **2016:** **K.V. Madhusudhan**, P.Sreevani, S.J.Ravi Prakash, The Role of ICT in enhancing the quality of education in the era of globalization In: New Reforms in Teacher education; Issues and challenges (Eds. Jagadeesh, A, Jahan,S, Hymavathi, V) pp 134-142 ISBN:978-93-85108-29-7
 23. **2016:** Kiran Kumar T.V., **K.V. Madhusudhan**, Naresh, A. Lokesh, Kiranmai.K. Venkatesh. B. Sudhakar, C. **Expression analysis of alsdo-keto reductase1 (AKRI) in foxtail millet (*Setaria italica* L.) subjected to abiotic stresses** American Journal of plant Sciences 7, 500-509
 24. **2016:** **K.V. Madhusudhan**, Professionalization of Teacher Education in India In: (Ed. Mrunali, T.) pp 200-202, ISBN: 978-93-84845-24-7
 25. **2016:** G.Obulesu, M.Balaraju, B.S.Geetha, S.J.Ravi Prakash, Y.Rajasekhar
 26. **2016:** **K.V.Madhusudhan**, P.Sreevani, V.SaleemBasha V.Giri Nanotherapeutic approaches for the treatment of cancer In: Proceedings of the two day National seminar on cancer biology (Eds. Johnson Satrus, N.A. David, m) pp 89-91 ISBN: 978 -93 -85 -101- 21- 2
 27. **2016:** **K.V.Madhusudhan**, V.Saleem Basha 21st Century skills: Learning for life In: Proceedings of the two day National seminar on Skill development courses to empower higher education (Eds. Ramchandramurthy,R, Sailaja, G.Mallikarjuna, M. Kiran Kumar, A, Ahmed, S.E.) pp 131-133 ISBN: 978 -93 - 5171 -068- 4
 28. **2017:** S.Somasekhar, **K.V.Madhusudhan**, Impact of heavy metals on morphological responses of *Albizia lebbek* (L.) International Journal of Botany and Research ISSN (Print) : 2277-4815 ISSN (Online) : 15-20

29. **2022: K.V. Madhusudhan**, .K.Yogananda Reddy, S. Subramanyam K.N. Jayaveera Bioactive compounds and Pharmacological potential of *Commelina diffusa* Burm.f. Biomolecules and pharmacology of Medicinal Plants – Chapter 73 (Eds. T.Pullaiah) ISBN : 978-1-77491-076-4. Apple Academic Press (Taylor & Francis Group), Florida USA
30. **2022: K.V. Madhusudhan**, S. Subramanyam, M.Mahesh K.N. Jayaveera A Review on Phytochemistry and Biological Activities of *Aerva javanica* (Burm. f.) Juss. ex Schult. (Eds. T.Pullaiah) Phytochemistry and Pharmacology of Medicinal plants - Apple Academic Press (Taylor & Francis Group), Florida USA
31. **2022: B.Venkatesh, R.V. Amaranatha N. Jagadeesh Kumar, N.Jayamma, B. Manohara Reddy, A. M. Anthony Johnson, K.V.Madhusudan, M. Pandurangaiah, K.Kiranma C. Sudhakar** Co-expression of stress-responsive regulatory genes, MuNAC4, MuWRKY3 and MuMYB96 associated with resistant-traits improves drought adaptation in transgenic groundnut (*Arachis hypogaea* L.) plants. (2022) 13:1-19, ISSN (Online): 1664-462X, Scopus and Web of Science
32. **2023: K.V.Madhusudhan, C.Sudhakar** Differential responses of growth, antioxidant enzymes and osmolytes in the leaves of two groundnut (*Arachis hypogaea* L.) cultivars subjected to water stress. **Journal of Stress Physiology & Biochemistry**, (2023) 19 (3): 110-124 ISSN: 1997-0838, UGC Care List
33. **2023:K.V.Madhusudhan, C.Sudhakar** Biochemical responses of groundnut (*Arachis hypogaea* L.) to drought stress: Evaluation of osmolyte accumulation in two cultivars (2023) European Chemical Bulletin 12 (6): 590-599 ISSN: 2063 - 5346, Peer Reviewed
34. **2023: K.V.Madhusudhan, C.Sudhakar** Proline metabolism and lipid peroxidation in two groundnut cultivars differing in drought tolerance **The Journal of Plant Science Research** (2023) 39 (3): 21-29 ISSN (Print): 0970-2539, ISSN (Online): 0976-3880, UGC Care List
35. **2023: K.V.Madhusudhan, C.Sudhakar** **Photosynthetic responses of two groundnut cultivars with contrasting drought tolerance (2023) 14: 1165-1170** ISSN (Print): 0976-1675, ISSN (Online): 2249 - 4538, UGC Care List
36. **2024 K.V.Madhusudhan, C.Sudhakar** Comparative Study on Nitrogen metabolism in a Drought tolerant and a Sensitive cultivar of groundnut (*Arachis hypogaea* L.) under Drought Stress **Journal of Stress Physiology & Biochemistry**, (2024) 20 (1): 101-113 ISSN: 1997-0838, UGC Care List

13. Seminars/Symposiums/Conferences/Workshops Presentations

1. **March 1998:** Participated in **National Seminar** on Fifty years of Indian Science organized by Department of Biochemistry, S.K.university, Anantapur, AP from 26th to 27th March,1998
2. **September 1998:** Participated in 02 days **National Workshop** on Patent awareness and Intellectual Property Rights organized by Department of Polymer Science and Technology, S.K.University, Anantapur, AP on 16th September, 1998
3. **March 2001:** Participated in **National Seminar** on New trends in Biochemistry and Biotechnology organized by Department of studies in Biochemistry, Kuvempu University Post-Graduate Center and Society of Biological Chemists (India), Kuvempu University, Shimoga, Karnataka on 24th March, 2001

4. **December 2010:** Presented paper in **National Seminar** on Biodiversity – Environmental issues and concerns organized by K.V.R. Government Degree College (Women) , Kurnool on 28th & 29th December 2010.
5. **January 2011:** Participated in 02 days **National Workshop** on Plant Science practices organized by Department of Botany, PG College of science, Osmania University, Hyderabad, AP on 28th & 29th January, 2011
6. **March 2011:** Presented Paper in **National Seminar** on Application of microbes in management of agriculture and environment organized by Department of Microbiology, S.K.university, Anantapur, AP from 04th to 06th March, 2011
7. **March, 2011:** Participated in 02 days **National Workshop** on Basic aspects in bioinformatics organized by Department of Biochemistry, S.K.University, Anantapur, AP on 10th & 11th March, 2011
8. **March, 2011:** Presented paper in **National Seminar** on Trends in plant Sciences, organized by Department of Botany, S.K.University, Anantapur, AP on 19th & 20th March, 2011
9. **July, 2011:** Presented paper in **National Seminar** on Perspectives of Plant Biotechnology organized by K.V.R. Government Degree College (Women) , Kurnool on 27th & 28th July, 2011.
10. **August, 2011:** Presented paper in **National Seminar** on Emerging trends and challenges in environment conservation organized by K.V.R. Government Degree College (Women) , Kurnool, AP on 10th & 11th August, 2011.
11. **November, 2011:** Presented paper in **National Seminar** on Women empowerment through biotechnology based processes innovating rural India, organized by N.S.P.R. Government Degree College (Women), Hindupur and AP State Sericulture Research and Development Institute, Hindupur, AP on 16th & 17th November, 2011.
12. **November, 2011:** Participated 1st **International Conference** on TAP Sun: The Sustainable Future organized by Indian Institute of Chemical Technology, Hyderabad, AP on 25th & 26th November, 2011.
13. **March, 2012:** Presented paper in **International Seminar** on Emerging Threats and Challenges to Biodiversity: Policy Framework for Sustainable Management organized by Department of Botany, SV University, Tirupathi, AP from 02nd to 04th March, 2012
14. **September, 2012:** Presented paper in **National Seminar** on Role of Animal Biotechnology in development of Health care- 2012 organized by Department of Zoology and Microbiology, Giriraj Government College, Nizambad on 12th & 13th September, 2012.
15. **September, 2012:** Presented paper in **National Conference** on Facing Challenges on Climate change:Earth and Atmospheric systems (FCCC-2012) organized by Department of Physics, S.K.University, Anantapur, AP on 30th & 31st October, 2012
16. **November, 2012:** Presented Paper in **05th AP Science Congress-2012** organized by AP Academy of Sciences, Hyderabad, AP and Acharya Nagarjuna University, Guntur, AP from 14th to 16th November, 2012
17. **November, 2012:** Presented paper in **International Conference** on Anthropogenic Impact on Environment and Bioremediation organized by Department of Zoology, SV University, Tirupathi, AP from 26th to 28th November, 2012
18. **December, 2012:** Presented paper in **National Seminar** on Plant Physiology on Physiological and Molecular approaches for development of Climate Resilient Crops organized by Department of Crop Physiology, Acharya NG Ranga

- Agricultural University, Hyderabad, AP and Indian Society of Plant Physiology, New Delhi from 12th to 14th December, 2012.
19. **December, 2012:** Presented paper in **International Conference** on Environmental Impact on Human health and Therapeutic Challenges organized by Department of Virology, SV University, Tirupathi, AP from 20th to 22nd December, 2012
 20. **June, 2013:** Presented paper in **International Conference** on emerging trends in chemical and pharmaceutical sciences organized by Department of chemistry, JNTU, Anantapur and Science Tech foundation, Bangalore on 28th to 30th June, 2013.
 21. **November, 2013:** Presented Paper in **06th AP Science Congress-2013** organized by AP Academy of Sciences, Hyderabad, AP and University of Hyderabad, Hyderabad, AP from 14th to 16th November, 2013.
 22. **December, 2013:** Presented Paper in **National symposium** in current trends in Biotechnology organized by Department of Botany, Osmania University, Hyderabad, AP from 07th to 08th December, 2013.
 23. **January, 2014:** Presented paper in **International Conference** on Advances in biopolymers drug delivery systems (Pharma Transpire – 2014) organized by Creative Educational Society's College of Pharmacy, Chinnatekur, Kurnool Dist., AP 30th & 31st January, 2013.
 24. **March, 2014:** Presented paper in **International Symposium** on Nature inspired initiatives in chemical trends by Indian Institute of Chemical Technology, Hyderabad, AP on 02nd & 05th March, 2014.
 25. **June, 2014:** Presented paper in **National Seminar** on Plant biotechnology for better future organized by Government College, Anantapur, 515001, AP on 27th and 28th June, 2014.
 26. **October, 2014:** Presented paper in 2nd International **Conference** on Emerging trends in chemical and pharmaceutical sciences organized by IICT, Hyderabad and STF, Bengaluru and held at IICT, Hyderabad, Telangana state from 15th to 17th October, **2014**
 27. **December, 2014:** Presented paper in **National Symposium** on Natural Products and Biodiversity: Our Insurance for the future organized by Dept. of Botany, Govt. College for Men, Kurnool and STF, Bengaluru held at Government College for Men, Kurnool AP on 12th December, **2014**
 28. **December, 2014:** Presented paper in **International conference** on environment and energy (ICEE-2014) held at Jawaharlal Nehru Technological University, Hyderabad, Telangana from 15th to 17th December, **2014**
 29. **December 2014:** Participated in **National Workshop** in Bioinformatics and drug discovery organized by Department of Botany, Nizam College, Hyderabad from 26-12-2014 to 31-12-2014
 30. **January, 2015: Resource Person** in **National symposium** on Conservation of nature and natural resources organized by Biological resource persons association, Wanaparty from 21st to 22nd January, 2015.
 31. **January, 2015:** Presented paper in **National Seminar** on Green Chemistry: Contribution to the Environmental Sustainability organized by Dept. of Chemistry, K.V.R. Government College for women, Kurnool, AP on 28th & 29th January, 2015.
 32. **February, 2015:** Presented paper in **National Seminar** on Innovations in Science Education: A Research Oriented Approach organized by Dept. of Botany & Zoology K.V.R. Government College for women, Kurnool, AP on 02nd & 03rd February, 2015.

33. **February, 2015:** Presented paper in **National Seminar** on Environmental protection – A global challenge organized by Dept. of Chemistry, Osmania College, Kurnool, AP on 7th February, 2015.
34. **February, 2015:** Presented paper in **National Seminar** on New Horizons in Biotechnology organized by Dept. of Biotechnology, K.V.R. Government College for women, Kurnool, AP on 28th & 29th January, 2015.
35. **September, 2015:** Participated in NPTEL workshop organized by G.Pulla Reddy College of engineering, Kurnool AP, India on 19th September, 2015.
36. **November, 2015:** Presented paper in **National Seminar** on Protection & promotion of human rights : Role of civil society organized by Department of political science, Government College, Anantapur, AP on 30th November, 2015.
37. **December, 2015:** Presented paper in **National Seminar** on Swaachh Bharat – Role of society organized by Department of Botany, Silver Jubilee Government College, Kurnool, AP on 11th December, 2015.
38. **December, 2015:** Presented paper in **National Seminar** on Frontier trends and emerging opportunities in life sciences organized by Department of Botany & Biotechnology, St.Joseph College, Kurnool on 12th December, 2015.
39. **December, 2015:** Presented paper in **National Seminar** on Prospects and Potentials in Medicinal and Aromatic plants organized by Science Tech foundation, Bengaluru and Department of Botany, Government College (UG &PG), Anantapur, AP on 19th December, 2015.
40. **January 2016:** Presented paper in 103rd Indian Science Congress held at University of Mysore, Mysuru Karnataka, India.
41. **January 2016:** Presented Paper in **01st AP Science Congress-2016** organized by AP Academy of Sciences, Amaravathi, AP and Sri Venkateswara University Tirupati AP from 27th to 29th January, 2016.
42. **February 2016:** Participated in **National Workshop** on concepts of plant taxonomy organized by Department of Botany, Nagarjuna Government College in collaboration with Association for Biodiversity conservation , Warangal from 26-12-2014 to 31-12-2014
43. **February 2016:** Presented paper in **National Seminar** on Anthropogenic Environmental change and the emergence of infectious diseases in wild life organized by Department of Zoology, SML Government Degree College, Yemmiganur, Kurnool Dist., AP on 23rd & 24th February, 2016.
44. **February 2016:** Presented paper in **National Seminar** on Indigenous phytodiversity for sustainable development organized by Department of Botany, Government Degree College, Nandyal, Kurnool Dist., AP on 25th & 26th February, 2016.
45. **July, 2016:** Presented paper in **National Seminar** on two year teacher education curriculum: Practices and Reflections of stake holders organized by Dept of Education, Osmania University, Hyderabad on 29th & 30th July, 2016.
46. **September, 2016:** Presented paper in **National Seminar** on Glocalization – A strategy towards women empowerment organized by Dept. of Political Science, Govt. College for Men, Kurnool AP on 24th & 25th Sept, 2016.
47. **October 2016:** Presented paper in **National Seminar** on Pulses-2016 Innovative Approaches for Sustainability and production and promotion and utilization organized by University College for women, Koti, Hyderabad fro 21st & 22nd October, 2016.

48. **December, 2016:** Presented paper in **National Seminar** on Cancer Biology organized by Dept. of Botany, Silver Jubilee Government Degree College, Kurnool on 9th & 10th December, 2016.
49. **January, 2017:** Presented paper in **National Seminar** on Green Chemistry organized by Dept. of Chemistry, SNSR Degree College, Velugodu, Kurnool Dist. from 28th & 29th Jan, 2017
50. **January, 2017:** Presented paper in Indian Science Congress held at SV University Tirupathi from 3rd January & 7th January, 2017.
51. **February, 2017:** Presented paper in **National Seminar** on Impact of Global warming organized by Department of Chemistry, SML Government Degree College, Yemmiganur, Kurnool Dist., AP on 27th & 28th February, 2017.
52. **January, 2019:** Presented paper in **International Seminar** on Human trafficking organized by Dept. of Political Science, Govt. College for Men, Kurnool AP on 31st Jan & 1st Feb, 2019.
53. **December, 2019:** Presented paper in **National Seminar** on Role of Pedagogy in higher organized by K.V.R. Government College for women, Kurnool, AP on 13th Dec, 2019.
54. **December, 2019:** Presented paper in **National Seminar** on Patent research in green sustainable technologies organized by PR Government College, Kakinada , AP on 18th and 19th Dec, 2019.
55. **January, 2020:** Presented paper in Indian Science Congress held at University of Agricultural Sciences, Bengaluru, Karnataka from 3rd January & 7th January, 2020.
56. **February, 2020:** Presented paper in **National Seminar** on Intellectual Property Rights Global Scenario organized by KVR Government College for women (A), Kurnool, AP on 15th February, 2020.
57. **March, 2020:** Presented paper in **National Conference** on Emerging Trends in green energy and environmental sustainability organized by Dept. of Botany, PVKN Govt. College (A), Chittoor AP on 2nd March, 2020.

14. Orientation programmes/ Training programmes

1. **May 2007:** Participated in 03 days **Orientation Programme** for Junior Lecturers in Botany conducted by the **Department of Intermediate Education, A.P.** Hyderabad from 16-18th May, 2007 at Andhra University, Visakhapatnam.
2. **November 2008:** Participated in the **National Programme on Career Counselling for NSS Programme Officers of Plus Two Schools** organized at Hyderabad by Rajiv Gandhi National Institute of Youth Development, Sriperumbudur from 29th to 30th November, 2008.
3. **January 2009:** Participated in 06 days **Pedagogical Training Programme** for Junior Lecturers in Botany/Zoology conducted by the **Department of Intermediate Education, A.P.** from 15th to 20th January, 2009 at S.V. Junior College, Tirupathi, AP.
4. **December, 2011:** Participated in 03 days **Induction Training Programme** for Promoted Lecturers at DRC, Govt. College (Men), Anapatur from 14-16th December, 2011.
5. **December, 2011:** Participated in **Orientation Programme** for Degree College Lecturers organized by the **UGC- Academic Staff College, Jawaharlal Nehru Technological University, Hyderabad, AP** from 15-12-2011 to 11-01-2012.

6. **February, 2015:** Participated in **Refresher Course** in Gender studies organized by the **UGC- Academic Staff College**, University of Hyderabad, Hyderabad from 13-02-2015 to 05--03-2015.
7. **September, 2016:** Participated in **Workshop** on curricular reforms to enrich quality in higher education, organized by the VSR & NVR college, Tenali AP from 07-09-2016 to 13-09-2016.
8. **Janauary, 2017:** Participated in **National level Workshop** on leadership education, Techniques and challenges form 2nd to 8th January, 2017 Sponsered by RUSA organized by KVR Govt. College for Women, Kurnool.
9. **February, 2017:** Participated in **Refresher Course** in Life Sciences for Degree College Lecturers organized by the **UGC- Academic Staff College**, Jawaharlal Nehru Technological University, Hyderabad, AP from 06-02-2017 to 25-02-2017.
10. **January, 2018 :** Participated in **Refresher Course** in Botany organized by the **Department of Botany**, Yogivemana University, Kadapa, AP from 18-01-2018 to 31-01-2018,
11. **May 2018:** Participated in **Summer School Programme** at Silver Jubilee Govt. College (A) Kurnool organized by Science Departments Silver Jubilee College, Kurnool in collaboration with CCMB Hyderabad, ICT Hyderabad, HCU Hyderabad, Sk University, Anantapur, RU Kurnool, Elegent Embeded solutions and Added engineering & Co. Hyderabad.
12. **February, 2019:** Participated in **National Level** faculty development programme on strengthening quality research in higher education at Padmashree Institute Management and Sciences from July 19-24, 2019.
13. **April, 2020:** Completed One week National Faculty Development Programme in LaTeX organized at Sanjay Ghodawat University, Kolhapur in association with Spoken Tutorial Project, IIT Bombay from 27th April,
14. **May 2020:** Completed Two Weeks Faculty Development Programme on "Managing online classes and co-creating moocs:2.0" organized Teaching Learning Centre, Ramanujam College, University of Delhi from May 18 - June 03, 2020
15. **July 2020:** Participated in Five day faculty development programme in Botany organized by Commissionerate of Collegiate education, AP, Vijayawada from 13-07-2020 to 17-08-2020.
16. **July 2020:** Participated in Online STC On "Outcome Based Education: Curriculum Design, Teaching, Learning and Assessment Strategies" **UGC-HRDC**, Jawaharlal Nehru Technological University, Hyderabad, Telanagana held from 21/07/2020 to 27/07/2020
17. **August 2020:** Participated in Five day faculty development programme in LMS Video & Pedagogy organized by Commissionerate of Collegiate education, AP, Vijayawada from 03-08-2020 to 07-08-2020.
18. **August, 2020:** Participated in Online **Refresher Course** in Multiculturalism organized by the **UGC- HRDC**, Maulana National Urdu University, , Hyderabad, Telanagana from 27-08-2020 to 09-09-2020.
19. **August, 2020:** Participated in Online **Refresher Course** in Life Sciences organized by the **UGC- HRDC**, University of Kerala, Kariavattam, Thiruvananthapuram, Kerala from 12-08-2020 to 25-08-2020.
20. **August, 2021:** Participated in Three day faculty development programme in Podcast organized by Commissionerate of Collegiate education, AP, Vijayawada from 12-08-2021 to 14-08-2021.

15. Massive Open Online Courses (MOOCs)

1. **September, 2020 : Completed** 8 weeks SWAYAM MOOCs course on Principles of Biotechnology with a consolidated score of 71% offered by Madurai Kamraj University, Madurai from
2. **September, 2020: Completed** 8 weeks SWAYAM MOOCs course on Plant physiology and metabolism with a consolidated score of 79% offered by St.Xaviers College, Kolkatta.
3. **December, 2020: Completed** 4 weeks NPTEL/AICTE Faculty Development Programme on Bioenergetics Life Processes with a consolidated score of 82% offered by IIT Kanpur from 24-02-2020 to 17-04-2020
4. **December, 2020: Completed** 8 weeks NPTEL/AICTE Faculty Development Programme on Cell Culture Technologies with a consolidated score of 68% offered by IIT Chennai from 24-02-2020 to 20-03-2020
5. **December, 2020: Completed** 12 weeks NPTEL/AICTE Faculty Development Programme on Genetic engineering theory and application with a consolidated score of 82% offered by IIT, Gauwahati. from 24-09-2020 to 04-12-2020
6. **December, 2020: Completed** 4 weeks NPTEL/AICTE Faculty Development Programme on Plant developmental biology with a consolidated score of 77% offered by IIT, Rourke from 09-10-2020 to 20-12-2020
7. **Completed** 10 weeks SWAYAM MOOCs course on Cell Biology with a consolidated score of 72% offered by Manipal University, Imphal
8. **Completed** 20 weeks SWAYAM MOOCs course on Molecular Biology with a consolidated score of 78% offered by Gujarath University, Ahmedabad

16. Books/Proceedings Published

1. **Research and Development in Pharmaceutical Science** (Volume II) (Eds. Prof.R.Umamaheswari, **Dr.K.V.Madhusudhan**, Dr.Narayan, Mr.Umesh) ISBN: 978-81-953600-6-2 Bhumi Publishing House Edition, India 2021
2. **Proceedings** of the two day national seminar on *Anthropogenic Environmental change and the emergence of infectious diseases in wild life* (Eds. K.Chandra Mohan, **K.V.Madhusudhan**, G.S.Ranganayakulu, S.Rajeswara Reddy) :ISBN 978-93-85100-70-3, Paramount Publishing House, India.
3. **Proceedings** of the two day national seminar on spiritual education (Eds. R.Surendra, P.Vijay Kumar, K.Chandra Mohan, **K.V.Madhusudhan**) :ISBN 978-93-85101-41-0, Paramount Publishing House, India.
4. **Proceedings** of the two day national seminar on Emerging Trends in green energy and environmental sustainability (Eds. P.Sujana, K.V.Madhusudhan, K.Sai Venkatesh) ISBN 978-93-88808-95-8, Paramount Publishing House, India.
5. **Chemistry and Pharmacology of Bioactive Botanicals** (Eds: **Dr.K.V.Madhusudhan**, Prof.K.N.Jayaveera) ISBN 978-93-93253-24-0, Paramount Publishing House, India.
6. **Advances in Plant Sciences, Vol I** (Eds. **Dr.K.V.Madhusudhan**, Dr.Viram P.Masal, Dr. Rajesh S.Deshmukh, Dr.Lalith Upadhay) ISBN: 978-81-91768-26-3 Bhumi Publishing House Edition, India 2021

17. Seminars/Conferences organized

1. **Convener** of District level seminar on ‘Strategies to combat environmental pollution’ held at PS Govt. Degree College, Penukonda, Anatapur Dist. on 07th August, **2012**

2. **Co-Convener** of 2nd **International Conference** on emerging trends in chemical and pharmaceutical sciences held at IICT, Hyderabad, Telangana state AP from 15th to 17th October, 2014
 3. **Convener** of **National Symposium** on *Natural Products and Biodiversity: Our Insurance for the future* organized by Dept. of Botany, Govt. College for Men, Kurnool and STF, Bengaluru held at Government College for Men, Kurnool AP on 12th December, **2014**
 4. **Co-Convener** of **National Symposium** on *Conservation of nature and natural resources* organized by Biological Resource Persons Association, Wanaparty, Telnagana State under the aegis of Sri Ramakrishna Math, Hyderabad from 21st to 22nd January, **2015**.
 5. **Co-Convener** of **National Symposium** on *Prospects and potentials in medicinal and aromatic plants* organized by Dept. of Botany, Govt. College, Anantapur and STF, Bengaluru to be held at Govt. College, Anantapur AP on 19th December, **2015**
 6. **Coordinator of Science Academies Lecture workshop** on *Recent advances in Taxonomy and Conservation Biology* organized by Dept of Botany, Government College for Men, Kurnool from 16th to 17th December, 2016.
 7. **Coordinator of Science Academies Lecture workshop** on Biodiversity & Human welfare *organized by Dept of Botany, Government College for Men, Kurnool from 1st to 2nd February, 2018.*
 8. **Organising Secretary** of in **International Seminar** on Human trafficking organized by Dept. of Political Science, Govt. College for Men, Kurnool AP on 31st Jan & 1st Feb, 2019.
 9. **Co-Convener** of **National Webinar** on IPR and Patents organized by IQAC, Government College for Men, Kurnool on 24-06-2020.
- 18. BOS Chairman/ Member**
1. BOS Member in Department of Botany, Silver Jubilee Govt. College for Men, Kurnool
 2. BOS Member in Department of Horticulture, Silver Jubilee Govt. College for Men, Kurnool
 3. BOS Chairman in Department of Horticulture, Rayalaseema University, Kurnool
 4. BOS Chairman in Department of Horticulture, Rayalaseema University, Kurnool
 5. BOS Member in Department of Botany, KVR Govt College (Women), Kurnool
- 19. EAMCET/University/ Autonomous College Question Paper Setter**
- **AP EAMCET 2016: Question Paper setting in Botany**
 - **AP EAMCET 2016:** Attended as **Subject Expert in Botany** in connection with confidential work of EAMCET from **06-01-2016 to 09-01-2016** in AP EAMCET Office, University Administrative Building, Ground Floor, JNTUK, Kakinada.
 - Question Paper setter in Department of Botany, S.K. University, Anantapur
 - Question Paper setter in Department of Horticulture, Silver Jubilee Govt. College for Men (Autonomous), Kurnool
 - Question Paper setter in Department of Botany, Silver Jubilee Govt. College for Men (Autonomous), Kurnool
 - Question Paper setter in Department of Botany, Govt. College (Autonomous) Kadapa
 - Question Paper setter in Department of Botany, Govt. College for Women (Autonomous) Kadapa
- 20. LMS/ PODCAST/MANA TV Presentations (e Learning)**

- Presented **Live Telecast Lecture** from on 26-11-2016 on Lipid metabolism at SAPNET studios, Hyderabad organized by Mana TV Cell, O/o CCE, AP, Hyderabad
- Presented LMS in Botany on Structure and function of Messenger RNA (mRNA) in Commissionerate of Collegiate Education e Learning , Amaravathi , AP – <https://ccelms.ap.gov.in/rusa/user/gmodulecomponents/2369/155>
- Presented LMS in Botany on Structure and function of Transfer RNA and Ribosomal RNA (mRNA & r RNA) in Commissionerate of Collegiate Education e Learning , Amaravathi , <https://ccelms.ap.gov.in/rusa/user/gmodulecomponents/2371/155>
- Presented LMS in Botany on Structure and function of Energy Flow in Commissionerate of Collegiate Education e Learning , Amaravathi , AP <https://ccelms.ap.gov.in/rusa/user/gmodulecomponents/2373/155>
- Presented podcast in Botany on Bacteria in APSICHE, Vijayawada portal

21. Fellow /Member of Scientific Professional Bodies

- Fellow of International Congress of Chemistry and Pharmacy (FICCP) of Science Tech Foundation, Bengaluru, Karnataka, India
- Life member of Indian Science Congress Association, Kolkatta, India
- Associate Fellow of AP Academy of Sciences, Guntur, AP, India
- Life member of Indian Society of Pulses Research and Development, Kanpur, India
- Life member of Society for Applied Biotechnology, Dharwad, Karnataka, India
- Life Member of Association for Biodiversity Conservation & Development, Wanaparty, Telangana State, India
- Life member of International Society of Zoological Sciences, China

22. Editor for Journals

- **Associate Editor** of Journal of Pharmacy and Chemistry *ISSN 2349-669X, Print : ISSN 0973-9874* (An international Journal of Pharmaceutical and Chemical Sciences), Science Tech Foundation, Bengalur, [www. jpc.stfindia.com](http://www.jpc.stfindia.com)
- **Editorial Board Member** of African Journal of Biotechnology, Academic Journals, ISSN 1684-5315, www.academicjournals.org/journal/AJB
- **Editorial Board Member** of International Journal of Botany and Research, *ISSN (Print) 2277-4815 : ISSN ((Online) 2319-4456* Trans stellar Publications, <http://www.tjprc.org/journals.php?jtype=2&id=46>
- **Editorial Board Member** of International journal of Pharma and Biosciences ISSN 0975-6299, www.ijpbs.net/
- **Editorial Board Member** of European Journal of Biomedical and Pharmaceutical Sciences, ISSN 2349-8870, <http://www.ejbps.com/>
- **Editorial Board Member** of World Journal of Pharmacy and Pharmaceutical Sciences, ISSN 2278-4357, <http://www.wjpps.com/>
- **Editorial Board Member** of European Journal of Pharmaceutical and Medical Research, ISSN 2394-3211, <http://www.ejpmr.com/>
- **Editorial Board Member** of International Journal of Trends in Pharmacy and Life Sciences, ISSN 2454-7867, <http://ijtpls.com/>
- **Editorial Board Member** of Research Journal in Biology (RJB), ISSN 2322-0066, <http://www.rroij.com/biology.php>
- **Editorial Board Member** of Indian Journal of Applied Research, ISSN 2249-555X, [http://www.worldwidejournals.com/indian-journal-of-applied-research-\(IJAR\)/](http://www.worldwidejournals.com/indian-journal-of-applied-research-(IJAR)/)

- **Editorial Board Member** of International Journal of Scientific Research, ISSN 2277-8179 [http://www.worldwidejournals.com/international-journal-of-scientific-research-\(IJSR\)/](http://www.worldwidejournals.com/international-journal-of-scientific-research-(IJSR)/)
- **Editorial Board Member** of Paripex - Indian Journal of Research, ISSN 2250-1991, <http://worldwidejournals.com/paripex/>
- **Editorial Board Member** of Global Journal for Research Analysis, ISSN 2277-8160, <http://www.worldwidejournals.com/gra/>
- **Editorial Board Member** of Emergent life sciences Research Journal, ISSN 2395-66 <http://www.emergentresearch.org/>
- **Editorial Board Member** of International Journal of Scientific and Research Publication (IJSRP), ISSN 2250-3153 <http://www.ijsrp.org/>

23. Reviewer for Journals

- Reviewer of African Journal of Biotechnology, Academic Journals
- Reviewer International Journal of Botany and Research,
- Reviewer Emergent life sciences Research Journal
- Adhoc-reviewer of Journal of Botanical Sciences, Pinnacle Journal Publications
- Adhoc-reviewer of Indian Journal of Pharmaceutical and Biological Research, SMSES
- Adhoc-reviewer of Journal of Experimental biology and Agricultural sciences (JEBAS), ISSN. 23220 8694
- Adhoc-reviewer of International Research Journal of Agricultural Sciences (IRJAS) Advanced Research Journals (ARJ)
- Reviewer of International Journal of Trends in Pharmacy and Life Sciences, ISSN 2454-7867

24. Invited Speaker/Judge at Scientific Events

- Acted as Judge at State level Navodaya School's Science Exhibition held at Navodaya School, Lepakshi on 3rd December 2004.
- Acted as Judge at Regional Level Science Exhibition of Government Schools at NSPR ZP High School, Lepakshi, Anantapur Dist. on 12th September 2005
- Invited Speaker on AIDS awareness programme held at Primary Health Centre, Lepakshi on 01st December 2007
- Invited Speaker in seminar on Conservation of Biodiversity held at Sri Satya Sai Degree College, Penukonda, Anantapur Dist. on 03-10-2012
- Acted as Judge at brain café budding scientist contest held at Montessori School, A camp, Kurnool, AP on 08-11-2014
- Acted as **Resource Person** for Inservice Biological Science Teachers training programme at Govt, Institute of advance study in education on 22-01-2014
- Acting as Question paper setter for Autonomous Colleges in Kadapa and Anantapur of AP
- Acted as Jury member for 22nd National Child Science Congress-2014, Sponsored by APCOST, Hyderabad organized by APCOST, Hyderabad & Montessori Group of Institutions, Kurnool held at Montessori School, A camp, Kurnool, AP on 10-11-2014
- **Resource Person** in **National symposium on Conservation of nature and natural resources** organized by Biological resource persons association, Wanaparty from 21st to 22nd January, 2015.
- Acted as **Jury member** for 23rd National Child Science Congress-2015, Sponsored by APCOST, Hyderabad organized by APCOST, Hyderabad & Good

- Shepperd School, Kurnool held at Good Shepperd School, Kurnool, AP on 09-12-2015
- Acted as **Jury member** in **National Seminar** on Frontier trends and emerging opportunities in life sciences organized by Department of Botany & Biotechnology, St. Joseph College, Kurnool on 12th December, 2015.
 - Acted as **Jury member** for 23rd Jawaharlal Nehru Mathematics, and Science Congress-2015, organized by C.R.R. High School, Kurnool on 26-12-2015
 - Acted as **Resource Person** in **National Workshop** on Tools and Techniques in Biotechnology organized by Department of Bototechnology, S.K. University, Anantapur, India from 30th to 31st December, 2015.
 - Acted as **Resource Person** in **District level workshop (Orientation to teacher's)** on Research methodology for successful preparation of **project for science Exhibition** organized by District Educational Office, Kurnool and SCERT AP from 8th to 9th August, 2016.
 - Acted as Jury member for District Level Inspire Awards Exhibition 2016 organized by Department of Education from 15-10-2016 to 16-10-2016
 - Acted as Jury member for 22nd National Child Science Congress-2016, Sponsored by APCOST, Hyderabad organized by APCOST, Hyderabad & Montessori Group of Institutions, Kurnool held at Montessori School, A camp, Kurnool, AP on 18-11-2016.
 - Acted as **Resource Person** in **National Seminar** on Impact of Global warming organized by Department of Chemistry, SML Government Degree College, Yemmiganur, Kurnool Dist., AP on 27th & 28th February, 2017.
 - Acted as Jury member for District Level Inspire Awards Exhibition 2017 organized by Department of Education
 - Acted as Jury member for 26th National Child Science Congress-2018, Sponsored by APCOST, Hyderabad organized by APCOST, Hyderabad & Montessori Group of Institutions, Kurnool held at Montessori School, A camp, Kurnool, AP on 09-11-2018
 - Acted as Jury member for 27th National Child Science Congress-2018, Sponsored by APCOST, Hyderabad organized by APCOST, Hyderabad & Montessori Group of Institutions, Kurnool held at Montessori School, A camp, Kurnool, AP on 29-10-2019

25. Honourable Posts/Positions

- Head of the Department of Botany and Head of the Department of Biotechnology, Government College for Men, Kurnool AP from 2013 onwards to 2022
- NSS Programme Officer, Government College for Men, Kurnool AP from 2017 onwards to 2022
- RUSA Coordinator, Government College for Men, Kurnool AP from 2017 onwards to 2020
- Head of the department of Horticulture Government College for Men, Kurnool AP from 2020 onwards to 2022
- Vice Principal Government College for Men, Kurnool AP from 2020 onwards to 2022
- Director of Science Tech Foundation, Bangalore

K.V. Madhusudhan

(Dr. K.V. MADHUSUDHAN)