

## V. Praveen Rao, Vice Chancellor

### List of Applied Research Articles/ Books / Book Chapters / Presentations / Zingles

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#### I. Research Articles

1. **Praveen Rao, V.**, Reddy, D.R., Reddy, B.B. and Reddy, K.A. 1987. Studies on the production factors limiting groundnut yield under rainfed Chalka soil of Northern Telangana. *The Journal of Research APAU* 15: 82 – 85.
2. **Praveen Rao, V.** 1990. Application of logistic model for predicting sesame dry matter. *The Journal of Research APAU* 18: 172 – 174.
3. **Praveen Rao, V.**, Raikhelkar, S.V. and Sondge, V.D. 1990. Evaluation of Penman, Radiation and Pan evaporation methods for predicting sesame evapotranspiration. *The Journal of Research APAU* 18: 131 – 134.
4. **Praveen Rao, V.**, Sondge, V.D., Chavan, D.A., Raikhelkar, S.V. and Shelke, V.B. 1990. Leaf area estimation by non-destructive method in sesame. *Journal of Maharashtra Agricultural Universities* 15: 271 – 272.
5. **Praveen Rao, V.**, Reddy, D.R., Reddy, B.B. and Rao, L.J. 1990. Performance of safflower genotypes at varying plant densities. *The Journal of Research APAU* 18: 180 – 182.
6. **Praveen Rao, V.**, Shelke, V.B. and Raikhelkar, S.V. 1990. Pod yield and economics of summer groundnut as influenced by gypsum application. *Journal of Maharashtra Agricultural Universities* 15: 381 – 382.
7. **Praveen Rao, V.** 1990. Rapid method for determination of sesame (*Sesamum indicum* L.) leaf area by linear measurements. *The Journal of Research APAU* 18: 339 – 343.
8. **Praveen Rao, V.** 1991. A study on intercropping of cotton with grain legumes under rainfed conditions. *The Journal of Research APAU* 19: 73 – 74.
9. **Praveen Rao, V.**, Reddy, M.S. and Krishna, V.G. 1990. Economic evaluation of yield water response of turmeric (*Curcuma longa*). *The Journal of Research APAU* 19: 234 – 237.
10. **Praveen Rao, V.** and Raju, CH.S. 1991. Effects of soil moisture stress at different developmental phases on growth and yield of sesame. *Journal of Oilseeds Research* 8: 240 – 243.
11. **Praveen Rao, V.**, Kishan, A.G. and Reddy, M.D. 1991. Evaluation of broad – beds and furrows for summer groundnut in rice fallows of Northern Telangana Zone, Andhra Pradesh, India. *INA* 10: 12 – 13.
12. **Praveen Rao, V.**, Reddy, M.D. and Raju, CH.S. 1991. Moisture sensitive growth stages of sesame (*Sesamum indicum* L.) and optimal sequencing of evapotranspiration deficits. *The Journal of Research APAU* 19: 203 – 209.
13. Rao, L.J., **Praveen Rao, V.**, Reddy, D.R. and Reddy, B.B. 1991. Performance of soybean varieties at different spacings and rhizobium inoculation under rainfed conditions. *The Journal of Research APAU* 19: 75 – 76.

14. **Praveen Rao, V.**, Raikhelkar, S.V. and Sondge, V.D. 1991. Sequential growth and yield component analysis of sesame (*Sesamum indicum* L.). *Indian Journal of Agricultural Sciences* 61: 303 – 307.
15. **Praveen Rao, V.**, Raikhelkar, S.V. and Sondge, V.D. 1992. Energetics of sesame (*Sesamum indicum* L.) production in relation to irrigation and fertilization. *The Journal of Research APAU* 20: 121 – 128.
16. **Praveen Rao, V.** 1992. Functions relating certain physiological traits and yield of sesame. *The Journal of Research APAU* 20: 55 – 61.
17. **Praveen Rao, V.** 1992. Nutrient concentrations in sesame (*Sesamum indicum* L.) plant parts as influenced by irrigation and fertilization. *Annals of Agricultural Research* 13: 300 – 302.
18. **Praveen Rao, V.**, Raikhelkar, S.V. and Sondge, V.D. 1992. Relationship between actual evapotranspiration and soil water content under different evaporative conditions. *Indian Journal of Agricultural Sciences* 62: 210 – 211.
19. **Praveen Rao, V.**, Raikhelkar, S.V., Sondge, V.D. and Pawar, K.R. 1992. Relationships between yield and yield components of sesame. *Journal of Maharashtra Agricultural Universities* 17: 362 – 364.
20. **Praveen Rao, V.**, Reddy, M.D. and Kishan, A.G. 1992. Response of summer groundnut to nitrogen fertilization under irrigated conditions. *The Journal of Research APAU* 20: 247 – 248.
21. **Praveen Rao, V.**, Reddy, M.S., Rao, V.G. and Rao, K.S. 1992. Water production function and optimal irrigation programme for turmeric (*Curcuma longa*). *Indian Journal of Agricultural Sciences* 62: 405 – 407.
22. **Praveen Rao, V.** and Raikhelkar, S.V. 1993. Effect of irrigation and fertilization on growth and yield in sesame. *Journal of Oilseeds Research* 10: 31 – 36.
23. **Praveen Rao, V.** 1993. Functions relating sesame crop growth rate, net assimilation rate and leaf area index. *Annals of Agricultural Research* 14: 132 – 135.
24. **Praveen Rao, V.** and Raikhelkar, S.V. 1993. Model for characterizing the effect of evaporative demand, canopy cover and soil water content on sesame evapotranspiration. *Journal of Oilseeds Research* 10: 112 – 115.
25. **Praveen Rao, V.** 1993. Oil production function and economic optima for sesame from irrigation, nitrogen and phosphorus variables. *Annals of Agricultural Research* 14: 136 – 142.
26. Sondge, V.D., Rodge, R.P., Oza, S.R., Bhosle, R.H. and **Praveen Rao, V.** 1993. Reappraisal of yield-density relations in monoculture. *Journal of Maharashtra Agricultural Universities* 18: 11 – 14.
27. **Praveen Rao, V.** and Reddy, M.D. 1993. Relative performance of groundnut varieties to sowing dates. *Indian Journal of Agronomy* 38: 322 – 323.
28. Reddy, D.R., **Praveen Rao, V.**, Reddy, B.B. and Rao, L.J. 1993. Response of pigeonpea varieties to N and P fertilization under rainfed conditions. *The Journal of Research APAU* 21: 165 – 166.
29. **Praveen Rao, V.** and Kishan, A.G. 1993. Response of rainfed groundnut to nitrogen application. *Journal of Maharashtra Agricultural Universities* 18: 460 – 461.

30. Krishna, V.G., Reddy, M.S., **Praveen Rao, V.** and Rao, K.S. 1993. Response of turmeric (*Curcuma longa*) to irrigation scheduling based on climatological approach. *Journal of Plantation Crops* 21: 57 – 59.
31. **Praveen Rao, V.**, Raikhelkar, S.V. and Sondge, V.D. 1993. Seed yield, nutrient uptake and fertilizer use efficiency in sesame (*Sesamum indicum* L.). *Fertilizer News* 38: 23 – 25.
32. **Praveen Rao, V.** and Raikhelkar, S.V. 1994. A simple model for simulation of soil moisture under sesame crop. *Annals of Agricultural Research* 15: 8 – 13.
33. **Praveen Rao, V.** and Sondge, V.D. 1994. Comparative performance of dated water production functions for sesame (*Sesamum indicum* L.). *Journal of Water Management* 2: 1 – 5.
34. **Praveen Rao, V.**, Raikhelkar, S.V. and Sondge, V.D. 1994. Effect of irrigation and fertilization on yield and its components in sesame (*Sesamum indicum* L.). *Indian Journal of Agricultural Sciences* 64: 93 – 100.
35. **Praveen Rao, V.** and Raikhelkar, S.V. 1994. Evapotranspiration of sesame (*Sesamum indicum* L.) in relation to pan evaporation. *Indian Journal of Agricultural Sciences* 64: 771 – 774.
36. Venkanna, K. and **Praveen Rao, V.** 1994. Irrigation schedule for sunflower based on pan evaporation. *Indian Journal of Agricultural Sciences* 64: 333 – 335.
37. **Praveen Rao, V.**, Rao, A.M., Ramakrishna, M. and Rao, P.S. 1994. Leaf area estimation by linear measurements in turmeric. *Annals of Agricultural Research* 15: 231 – 233.
38. Manjula, A., **Praveen Rao, V.**, Reddy, B.B. and Sarma, P.S. 1994. Variations in crop coefficients as influenced by water deficits in mustard. *Journal of Water Management* 2: 61 – 63.
39. **Praveen Rao, V.** and Sondge, V.D. 1994. Water and nutrient response of summer sesame (*Sesamum indicum* L.). *Journal of Water Management* 2: 59 – 61.
40. **Praveen Rao, V.** 1995. Correlation and path coefficient analysis in sesame under varied irrigation regimes. *Journal of Maharashtra Agricultural Universities* 20: 31 – 33.
41. **Praveen Rao, V.** and Raikhelkar, S.V. 1995. Crop coefficients for sesame evapotranspiration. *Journal of Maharashtra Agricultural Universities* 20: 46 – 48.
42. Chamundeshwari, C., **Praveen Rao, V.** and Sarma, P.S. 1996. Comparative performance of different seasonal water production functions for sunflower. *Journal of Oilseeds Research* 13: 269 – 272.
43. Reddy, P.R.R., Reddy, B.B., **Praveen Rao, V.** and P.S. Sarma. 1996. Effect of water deficits at different crop growth periods on growth and yield of groundnut. *The Journal of Research ANGRAU* 24: 147 – 149.
44. Ravinder, N., Satyanarayana, V., **Praveen Rao, V.**, Latchanna, A. and Varaprasad, P.V. 1996. Influence of irrigation and fertilization on seed yield, nutrient uptake and fertilizer use efficiencies in summer sesame (*Sesamum indicum* L.). *Journal of Oilseeds Research* 13: 173 – 177.
45. Satyanarayana, V., Ravinder, N., **Praveen Rao, V.**, Latchanna, A. and Varaprasad, P.V. 1996. Influence of irrigation, nitrogen and phosphorus on yield and its components in sesame (*Sesamum indicum* L.). *Annals of Agricultural Research* 17: 286 – 291.

46. Chamundeshwari, C., **Praveen Rao, V.**, Sarma, P.S. and Rao, P.R. 1997. Crop coefficients for sunflower (*Helianthus annuus* L.) as influenced by water deficits at different crop growth sub periods. *Indian Journal of Agricultural Sciences* 67: 136 – 138.
47. Shanti, K. **Praveen Rao, V.**, Reddy, M.R., Reddy, M.S. and Sarma, P.S. 1997. Response of corn hybrid and composite to varying levels of nitrogen. *Indian Journal of Agricultural Sciences* 67: 424 – 425.
48. Manjula, A. and **Praveen Rao, V.** 1998. Comparison of crop water production functions for mustard crop. *The Journal of Research ANGRAU* 26 (2): 5 – 12.
49. Manjula, A. and **Praveen Rao, V.** 1998. Crop coefficients for prediction of irrigation requirements of mustard. *Journal of Oilseeds Research* 15 (1): 98 – 102.
50. **Praveen Rao, V.** 1998. Evaluation of different crop water production functions for sesame (*Sesamum indicum* L.). *The Journal of Research ANGRAU* 26: 1 – 4.
51. Chamundeshwari, C. and **Praveen Rao, V.** 1998. Irrigating sunflower (*Helianthus annuus* L.) with deficient water supply. *Journal of Oilseeds Research* 15(1): 103 – 108.
52. Reddy, G.K., Reddy, S.N. and **Praveen Rao, V.** 1998. Performance of groundnut based intercropping systems under varying levels of irrigation. *Journal of Oilseeds Research* 15(1): 123 – 129.
53. Manjula, A. and **Praveen Rao, V.** 1998. The sensitivity of growth and yield of mustard to evapotranspiration deficits. *Journal of Oilseeds Research* 15(2): 297 – 302.
54. Sudhakar, C. and **Praveen Rao, V.** 1998. Water use and yield response of pigeonpea, castor, wheat and soybean under different irrigation schedules. *The Journal of Research ANGRAU* 26(1): 1 – 8.
55. Hemalatha, S., Jagannatham, A. and **Praveen Rao, V.** 1999. Effect of nitrogen fertilization and row spacing on growth and yield of sesame. *Journal of Oilseeds Research* 16(1): 128 – 129.
56. Oron, G., DeMalach, Y., Gilerman, L., David, I. and **Praveen Rao, V.** 1999. Improved saline – water use under subsurface drip irrigation. *Agriculture Water Management* 39: 19 – 33.
57. Neeraja, G., Reddy, K.M., Sarma, P.S. and **Praveen Rao, V.** 2000. Physiological analysis of growth and yield in onion (*Allium cepa* L.) as influenced by irrigation and nitrogen. *Annals of Agricultural Research* 21(2): 199 – 205).
58. Kumar, B.V. and **Praveen Rao, V.** 2000. Evaluation of seasonal crop water production function for sunflower (*Helianthus annuus* L.). *Annals of Agricultural Research* 21(4): 567 – 569.
59. Kumar, B.V. and **Praveen Rao, V.** 2001. Crop coefficients for mustard (*Brassica juncea* L) as influenced by water deficits at different crop growth subperiods. *Annals of Agricultural Research* 22(2): 187 – 192.
60. Kumar, B.V. and **Praveen Rao, V.** 2001. Crop coefficients for sunflower (*Helianthus annuus* L.) as influenced by water deficit at different crop growth sub-periods. *Journal of Oilseeds Research* 18(1): 66 – 69.
61. Kumar, B.V. and **Praveen, Rao, V.** 2001. Evaluation of seasonal crop water production functions for Indian mustard (*Brassica juncea* L). *Crop Research* 22: 398 – 403.

62. Devi, K.B.S. and **Praveen Rao, V.** 2001. Functions to predict corn (*Zea mays* L.) yield response to water. *Journal of Maharashtra Agricultural Universities* 26 (1): 40 – 43.
63. Neeraja, G., Reddy, K.M., Reddy, M.S. and **Praveen Rao, V.** 2001. Influence of irrigation and nitrogen levels on bulb yield, nutrient uptake and nitrogen use efficiencies in rabi onion (*Allium cepa* L.). *Indian Journal of Agricultural Sciences* 71(2): 109 – 112.
64. Kumar, B.V. and **Praveen Rao, V.** 2001. Mustard growth and yield sensitivity to timing of evapotranspiration deficits. *Research on crops* 2 (3): 301 – 308.
65. Devi, K.B.S. and **Praveen Rao, V.** 2001. Prediction of evapotranspiration of groundnut through empirical formulae. *Journal of Oilseeds Research* 18(2): 262 – 264.
66. Kumar, B.V. and **Praveen Rao, V.** 2001. Sunflower growth and yield as influenced by timing of evapotranspiration deficits. *Crop Research* 22(2): 167 – 174.
67. Devi, K.B.S. and **Praveen Rao, V.** 2001. Yield – Evapotranspiration functions for groundnut (*Arachis hypogaea* L.). *Journal of Oilseeds Research* 18(2): 224 – 227.
68. Kumar, B.V. and Praveen rao, V. 2001. Sunflower growth and yield as influenced by timing of evapotranspiration deficits. *Crop Research* 22: 167 – 174.
69. Kumar, B.V., **Praveen Rao, V.** and Reddy, B.N. 2002. Evaluation of seasonal crop water production functions for Indian mustard (*Brassica juncea* L.). *Journal of Oilseeds Research* 19(2): 199 – 201.
70. Devi, K.B.S. and **Praveen Rao, V.** 2002. Growth and yield sensitivity of corn (*Zea mays* L.) to evapotranspiration deficits. *Journal of Soils & Crops* 12 (1): 6 – 10.
71. Devi, K.B.S. and **Praveen Rao, V.** 2002. Relationship between actual evapotranspiration (Eta) of corn and reference evapotranspiration (Eto) derived from empirical formulae. *Journal of Soils and Crops* 12: 318 – 322.
72. Srinivas, K. and **Praveen Rao, V.** 2002. Seed yield and plant water relations in sunflower as influenced by varying IW/CPE ratios. *Journal of Oilseeds Research* 19(2): 232 – 234.
73. Kumar, B.V., **Praveen Rao, V.** and Reddy, B.N. 2002. Sunflower growth and yield as influenced by evapotranspiration deficits. *Journal of Oilseeds Research* 19(2): 190 – 194.
74. Kumar, B.V. and **Praveen Rao, V.** 2003. A Functional approach to predict effects of water deficits on crop yield of sunflower. *Annals of Agricultural Research* 24 (3): 570 – 578.
75. Devi, K.B.S. and **Praveen Rao, V.** 2003. Crop coefficients for prediction of irrigation requirements of groundnut. *The Journal of Research ANGRAU* 31(1): 1 – 8.
76. Hemalatha, S., **Praveen Rao, V.** and Reddy, B.N. 2004. Groundnut growth and yield as influenced by evapotranspiration deficits. *Journal of Oilseeds Research* 21(1): 42 – 46.
77. Kumar, B.V., **Praveen Rao, V.** and Reddy, B.N. 2004. Moisture sensitive growth periods and optimal sequencing of evapotranspiration deficits in Indian mustard. *Journal of Oilseeds Research* 21(1): 50 – 54.
78. Devi, K.B.S. and **Praveen Rao, V.** 2004. Water use by corn (*Zea mays* L.) under limited water supply in sandy loam soil of Deccan Plateau. *The Journal of Research ANGRAU* 32 (3): 8 – 14.
79. Hemalatha, S., **Praveen Rao, V.** and Reddy, B.N. 2006. A functional approach to predict effect of water deficits in groundnut. *Journal of Oilseeds Research* 23: 194 – 198.

80. Hemalatha, S. and **Praveen Rao, V.** 2006. Crop coefficients for prediction of irrigation requirement of Groundnut. *The Journal of ANGRAU* 34(1): 1 – 7.
81. Andal, G., **Praveen Rao, V.** and Bindu, H. 2008. Analysis of impact of adoption of microirrigation technology on crop yields, water saving and economics in farmer's fields Andhra Pradesh. *Journal of Soils and Crops* 18: 266 – 272.
82. Mukundam, B., Ramana, M.V., Lakshmi, C.S. and **Praveen Rao, V.** 2008. Influence of seed priming and tillage practices on nutrient uptake and yield of chickpea grown in rice fallows. *Agriculture Science Digest* 28: 204 – 206.
83. Leelarani, P., Reddy, D.R., Sreenivas, G., Praveen Rao, V., Surekha, K and Sivasankar, A. 2012. Dry matter partitioning and grain yield potential of maize as influenced by dates of sowing and nitrogen application. *Journal of Research ANGRAU* 40: 30 – 34.
84. Prathyusha, C., Hemalatha, S., **Praveen Rao, V.** and Jayasree. G. 2012. Effect of nitrogen on yield attributes and yield of specialty corn under Pongamai + Maize Agri-silvi system. *The Journal of Research ANGRAU* 40: 124 – 127.
85. Yadav, M., **Praveen Rao, V.**, Yakadri, M. and Jayasree, G. 2012. Response of wheat (*Triticum aestivum* L.) cultivars to varying levels of nitrogen. *The Journal of Research ANGRAU* 40: 101 – 104.
86. Ramprasad, M., Govardhan, V., **Praveen Rao, V.**, Surekha, K. and Bhave, M.H.V. 2013. Characterization and Classification of Rice Growing Soils of Central Telangana Region of Andhra Pradesh. *The Journal of Research ANGRAU* 41(2): 52 – 58.
87. Kumar, B.R., **Praveen Rao, V.**, Kumar, K.A., Ramulu, V., Devi, M.U. and Rao, P.R. 2013. Crop coefficients for drip and check basin irrigated castor for prediction of evapotranspiration. *The Journal of Research ANGRAU* 41: 107 – 110.
88. Kumar, B.R., **Praveen Rao, V.**, Ramulu, V., Devi, M.U. and Kumar, K.A. 2013. Crop coefficient for prediction of evapotranspiration and irrigation requirements of drip irrigated castor. *Journal of Oilseeds Research* 30: 90 – 92.
89. Kumar, B.R., **Praveen Rao, V.**, Ramulu, V. and Kumar, K.A. 2013. Drip irrigation schedule for castor based on pan evaporation. *The Journal of Research ANGRAU* 41: 149 – 152.
90. Jena, N., Vani, K.P., **Praveen Rao, V.** and Shivasankar, A. 2013. Effect of nitrogen and phosphorus fertilizers on growth and yield of quality protein maize (QPM). *International Journal of Science and Research* 4: 197 – 198.
91. Suresh, K., **Praveen Rao, V.**, Srinivas, A., Sivasankar, A. and Govardhan V. 2013. Effect of varied plant densities and irrigation levels of pigeonpea on soil moisture status. *The Journal of Research ANGRAU* 41(4): 25 – 31.
92. Leela Rani, P., Sreenivas G., Reddy D. R., **Praveen Rao, V.**, Surekha, K. and Sankar A. S. 2013. Influence of dates of sowing and nitrogen levels on growth and yield of kharif maize under irrigated conditions in south Telangana agro-climatic zone of Andhra Pradesh, India. *International Journal of Bioresource and Stress Management* 4: 28 – 33.

93. Kadasiddappa, M., **Praveen Rao, V.** and Mukandam, B. 2013. Influence of mother plant nutrition and soil fertility on the project performance of sunflower. *Environment & Ecology* 31: 1954 – 1958.
94. Prathyusha, C., Hemalatha, S., **Praveen Rao, V.** and Jayasree. G. 2014. Nitrogen response, nutrient uptake by the crop and post harvest soil fertility status in speciality corn as influenced by nitrogen fertilization under Pongamai + Maize agri-silvi system. *International Journal of Plant, Animal and Environmental Sciences* 4: 276 – 279.
95. Yadav, M., **Praveen Rao, V.** and Suresh, K. 2013. Nutrient uptake of microsprinkler irrigated wheat cultivars under varying nitrogen levels. *The Journal of Research ANGRAU* 41: 131 – 134.
96. Jena, N., Vani, K.P., **Praveen Rao, V.**, Srinivas, A. and Shivasankar, A. 2013. Performance of quality protein maize (QPM) on quality, yield and yield components as influenced by nutrient management. *Journal of Progressive Agriculture* 4: 72 – 74 (NAAS Rating 2.89).
97. Kadasiddappa, M., **Praveen Rao, V.**, Ranjitha, P.S. and Mukandam, B. 2013. Production potential of sunflower genotypes under varying levels in Andhra Pradesh. *International Journal of Developmental Research* 3: 97 – 101.
98. Suresh, K., **Praveen Rao, V.**, Srinivas, A., Siva Sankar, A. and Govardhan, V. 2013. Relative water content as influenced by varied plant densities and irrigation levels in pigeonpea. *International Journal of Applied Biology and Pharmaceutical Technology* 4: 63 – 68.
99. Reddy, K.I., Hemalatha, S., Jayasree, G. and **Praveen Rao, V.** 2013. Yield, nutrient uptake and economics of castor as influenced by integrated nutrient management in pongamaia + castor agri-silvi system. *The Journal of Research ANGRAU* 41: 118 – 122.
100. Kadasiddappa, M., **Praveen Rao, V.**, Reddy, K.Y. and Tirupataiah, K. 2013. Yield, water use and water use efficiency of drip irrigated maize in southern Telangana region of AP. In: Proceedings of the NGWC 2013 on Problems, Challenges and Management of GW in Agriculture held from 9 – 11 December 2013, WTC, TNAU, Coimbatore, Pages: 372 – 376.
101. Kadasiddappa, M., Reddy, K.Y., **Praveen Rao, V.**, Tirupataiah, K., Sandhyarani, K. and Shantappa, D. 2014. Effect of irrigation scheduling and nutrition (Fe and Zn) on growth, yield and water productivity of aerobic rice. International Symposium on Integrated Water Resources Management (IWRM-2014) February 19 – 21, 2014, CWRDM, Kozhikode, Kerala, India
102. Malve, S.H., **Praveen Rao, V.** and Dhake, A.V. 2014. Feasibility of drip irrigation and N-fertigation scheduling for winter wheat (*Triticum aestivum* L.) in western scarcity zone of Maharashtra. *Progressive Research* 9 (Conference Special): 1057 – 1059.
103. Revathi, P., Devi, K.B.S., Reddy, B.G., **Praveen Rao, V.**, Padmaja, G. and Shivashanker, A. 2013. Influence of planting methods and integrated nutrient management on growth, yield and economics of rice. *Journal of Rice Research* 7: 62 – 76.
104. Chandrasekhar, G., Jayasree, G. and **Praveen Rao, V.** 2014. Influence of variable discharge rates and water supply levels on yield and water productivity of grain corn. *AgroNet* 69, October 2014,
105. Kadasiddappa, M., Praveen rao, V., Ranjitha, P.S. and Mukundam, B. 2013. Production potential of sunflower genotypes under varying fertility levels in Andhra Pradesh. *International Journal of Development Research* 3: 97 – 101.

106. Kumar, K.A., Reddy, M.D., Devi, M.U., Narender, N., Neelima, T.L., Ramulu, V., **Praveen Rao, V.** and Raghavaiah, R. 2014. Irrigation performance assessment of left bank canal, Nagarjuna Sagar Project, India during *rabi* using remote sensing and GIS. *Agrotechnology* 3: 122. doi:10.4172/2168-9881.1000122.
107. Prathyusha, C., Hemalatha, S., **Praveen Rao, V.** and Jayasree, G. 2014. Nitrogen response, nutrient uptake by the crop and post-harvest fertility status in specialty corn as influenced by nitrogen fertilization under pongamia + maize agri-silvi system. *Journal of Science* 4: 170 – 173.
108. Kadasiddappa, M., **Praveen Rao, V.**, Srinivas, A. and Thakur, H. 2014. Prioritizing the order of requirement of nutrient application in sunflower genotypes using DRIS indices technique. *Life Sciences International Research Journal* 1: 298 – 300.
109. Meena, R.L., **Praveen Rao, V.** and Jat, A.L. 2014. Production potential and quality of rice (*Oryza sativa*) varieties as influenced by date of transplanting in Southern Telangana. *Current Advances in Agricultural Sciences* 6(1): 55 – 57.
110. Kumar, B.R., **Praveen Rao, V.**, Ramulu, V., Devi, M.U. and Kumar, K.A. 2014. Water production function and optimal irrigation programme for drip irrigated castor. *Journal of Oilseeds Research* 31: 177 – 179.
111. Raghavendra, B.M., Susheela, R., Madhavi, A., **Praveen Rao, V.** and Sudhakara, T.M. 2014. Influence of high efficacy herbicides on yield and economics of direct wet seeded rice sown through drum seeder. *Progressive Research* 9 (Conference Special): 598 – 600.
112. Raghavendra, B.M., Susheela, **Praveen Rao, V.** and Madhavi, A. 2015. Efficacy of different weed management practices on growth and yield of direct wet seeded rice sown through drum seeder. *The Bioscan* 10: 97 – 101.
113. Zenebe, M.A., Srinivas, A., **Praveen Rao, V.**, Ram Prakash, T. and Ramesh, T. 2015. Association of weather variables with yield and yield components of cotton (*Gossypium hirsutum* L.) at reproductive phenophase. *The Journal of Research PJTSAU* 43: 1 – 6.
114. Kadasiddappa, M., **Praveen Rao, V.**, Reddy, K.Y., Ramulu, V., Devi, M.U and Reddy, S.N. 2015. Drip irrigation: An efficient tool to improve yield and water use efficiency in sunflower. *Annals of Plant and Soil Research* 17: 394 – 397.
115. Kadasiddappa, M., **Praveen Rao, V.**, Reddy, K.Y., Ramulu, V., Devi, M.U., Reddy, S.N. and MaLlappa, B.V. 2015. Effect of drip and surface furrow irrigation on growth, yield and water use efficiency of sunflower hybrid DRSH – 1. *Progressive Research – An International Journal* 10 (Special – VII): 3872 – 3875.
116. Ravi, P., Jayasree, G., Prathiba, G., Balaguravaiah, D., **Praveen Rao, V.** and Sivasankar, A. 2015. Effect of natural nitrification inhibitors on chlorophyll content and SPAD values of aerobic and puddled rice. *Annals of Plant and Soil Research* 17 (Special Issue): 208 – 211.
117. Jena, N., Vani, K.P., **Praveen Rao, V.** and Sivasankar, A. 2013. Effect of Nitrogen and Phosphorus fertilizers on growth and yield of quality protein maize (QPM). *International Journal of Science and Research* 4: 197 – 198.

118. Meena, R.L., **Praveen Rao, V.** and Jat, A.L. 2015. Performance of rice varieties in relation to crop growth, yield, physiological parameters and agrometeorological indices under different date of transplanting. *Green Farming* 6: 704 – 707.
119. Keertana, B., Ramulu, V., **Praveen Rao, V.**, Devi, M.U. and Anusha, A.V. 2015. Response of rabi maize (*Zea mays* L.) to soil and climate based drip irrigation schedules. *Annals of Plant and Soil Research* 17: 122 – 126.
120. Zenebe, M.A., Srinivas, A., **Praveen Rao, V.**, Ram Prakash, T. and Ramesh, T. 2016. Association of weather variables with yield and yield components of cotton (*Gossypium hirsutum* L.) at reproductive phenophase. *African Journal of Agricultural Research* 11: 2555 – 2561.
121. Gladston, K.M., Kumar, K.A. and **Praveen Rao, V.** 2016. Drip irrigation regimes and fertigation levels influence on yield and yield attributes of *Bt* cotton. *The Journal of PJTSAU* 44: 72 – 75.
122. Priya, N.S., Ramulu, V., **Praveen Rao, V.** and Devi, M.U. 2016. Drip irrigation schedules and plastic mulching for higher productivity of rabi maize. *Research Journal of Agricultural Sciences* 7: 727 – 731.
123. Ramprasad, M., Ravi, P., Chandrasekhar, CH., V. Govardhan, V. and **Praveen Rao, V.** 2016. Distribution of DTPA extractable micronutrients in soils of southern Telangana zone. *The Journal of Research PJTSAU* 44: 15 – 20.
124. Ramanjaneya, B., Kumar, K.S., **Praveen Rao, V.**, Ramulu, V. and Shwetha, G. 2016. Dry matter production and nutrient uptake of greenhouse tomato as influenced by different irrigation and fertigation levels. *Andhra Pradesh Journal of Agricultural Sciences* 2: 201 – 205.
125. Satish, C., Kumar, K.A., **Praveen Rao, V.** and Devi, M.U. 2016. Dry matter production and nutrient uptake of rabi sorghum (*Sorghum bicolor* (L.) Moench) as influenced by different drip irrigation levels. *The Journal of Research PJTSAU* 44: 50 – 54.
126. Satish, C., Kumar, K.A., **Praveen Rao, V.**, Devi, M.U. and Kumar, K.S. 2018. Economics of rabi sorghum (*Sorghum bicolor* (L.) Moench) as influenced by different drip irrigation levels. *International Journal of Pure and Applied Biosciences* 6: 183 – 191.
127. Satish, C., Kumar, K.A., **Praveen Rao, V.**, Devi, M.U. and Kumar, K.S. 2016. Effect of different drip irrigation levels on dry matter production and nutrient uptake of rabi sorghum (*Sorghum bicolor* (L.) Moench). *International Journal of Agriculture Science and Research* 6: 267 – 272.
128. Ramulu, V., **Praveen Rao, V.**, Devi, M.U., Kumar, K.A. and Radhika, K. 2016. Evaluation of drip irrigation and fertigation levels in aerobic rice for higher productivity. In: Proceedings of 2<sup>nd</sup> World Irrigation Forum (WIF2) held from 6 – 8<sup>th</sup> November 2016, Chiang Mai, Thailand, 1- 9 p.
129. Malve, S.H., **Praveen Rao, V.** and Dhake, A. 2016. Evaluation of Water Production Function and Optimization of Water for Winter Wheat (*Triticum aestivum* L.) Under Drip Irrigation. *American-Eurasian Journal of Agriculture & Environmental Sciences* 16: 1389 – 1398.
130. Revathi, P., Devi, K.B.S., Reddy, B.G., **Praveen Rao, V.**, Padmaja, G. and Sivasankar, A. 2016. Influence of planting methods and integrated nutrient management practices on yield attributes, yield and economics of rice. *The Journal of Research PJTSAU* 44: 25 – 32.

131. Jena, N., Vani, K.P., **Praveen Rao, V.** and Shivasankar, A. 2016. Nutrient management on growth, yield and economics of quality protein maize (QPM). *International Journal of Current Research* 8: 29217 – 29219.
132. Chauhan, S., **Praveen Rao, V.**, Reddy, A.P.K., Jayasree, G. and Reddy, S.N. 2016. Response of sesame (*Sesamum indicum* L.) to irrigation scheduling based on climatological approach and N fertigation levels. *Journal of Oilseeds Research* 33: 48 – 44.
133. Mote, K., **Praveen Rao, V.**, Ramulu, V. and Kumar, K.A. 2016. Response of water stress parameters to alternate wetting and drying (AWD) method of water management in low land rice (*Oryza sativa*). *Vegetos* 29: 17 – 25.
134. Satish, C., Kumar, K.A., **Praveen Rao, V.**, Devi, M.U. and Kumar, K.S. 2016. Yield attributes and yield of *rabi* sorghum (*Sorghum bicolor* L. Moench) as influenced by different drip irrigation levels. *International Journal of Agriculture Sciences* 8: 1639 – 1641.
135. Bharath, T., Vidyasagar, G.E.CH., **Praveen Rao, V.**, Reddy, S.N. and Madhavi, A. 2016. Residual effect of organic sources and fertilizer levels to preceding maize (*Zea mays* L.) on the physiological parameters of succeeding groundnut (*Arachis hypogea* L.). *The Journal of Research PJTSAU* 44: 11 – 16.
136. Bharath, T., Vidyasagar, G.E.CH., **Praveen Rao, V.**, Reddy, S.N. and Madhavi, A. 2016. Residual effect of organic sources and fertilizer levels to preceding maize (*Zea mays* L.) on the growth parameters of succeeding groundnut. *IOSR Journal of Agriculture and Veterinary Science (IOSR - JAVS)* 9: 18 – 25.
137. Bharath, T., Vidyasagar, G.E.CH., **Praveen Rao, V.** and Madhavi, A. 2016. Effect of integrated nutrient management on plant population of maize – groundnut crop sequence. *Progressive Research* 11: 2178 – 2180.
138. Kumar, K.A., Devi, M.U., **Praveen Rao, V.**, Ramulu, V., Narender, N. and Krishnaveni. 2016. Wastewater irrigation effect on rice yields in Musi river command area in India – A case study. In: *Proceedings of 2<sup>nd</sup> World Irrigation Forum (WIF2)* held from 6 – 8<sup>th</sup> November 2016, Chiang Mai, Thailand, 1- 11p.
139. Bharath, T., Vidyasagar, G.E.CH., **Praveen Rao, V.**, Reddy, S.N. and Madhavi, A. 2017. Influence of organic manures integrated with inorganic fertilizer on soil properties after harvest of crops in maize – groundnut crop sequence. *Environment & Ecology* 35: 1759 – 1764.
140. Bharath, T., Vidyasagar, G.E.CH., **Praveen Rao, V.** and Madhavi, A. 2017. Effect of integrated nutrient management on NPK uptakes and soil properties of maize in maize-groundnut cropping system. *Green Farming* 8: 409 – 412.
141. Bharath, T., Vidyasagar, G.E.CH., **Praveen Rao, V.**, Reddy, S.N. and Madhavi, A. 2017. Residual effect of organic manures and fertilizer levels to preceding maize on the nutrient uptakes of succeeding groundnut. *International Journal of Pure and Applied Biosciences* 5: 409 – 417.
142. Malve, S.H., **Praveen Rao, V.** and Dhake, A. 2017. Assessing impact of drip irrigation and nitrogen fertigation scheduling on physiological traits of winter wheat (*Triticum aestivum* L.). *Environment & Ecology* 35(2B): 1060 – 1065.

143. Ramprasad, M., Chandrasekhar, P., Ravi, P., Goverdhan, V. and **Praveen Rao, V.** 2017. Characterization and classification of rice growing soils of southern region of Telangana State. *The Journal of Research PJTSAU* 45: 23 – 31.
144. Mote, K., **Praveen Rao, V.**, Kumar, K.A., Ramulu, V. and Devi, M.U. 2017. Dynamics of nitrogen uptake under alternate wetting and drying method of water management in low land rice (*Oryza sativa* L.). *International Journal of Current Microbiology and Applied Sciences* 6: 909 – 921.
145. Malve, S.H., **Praveen Rao, V.** and Dhake, A. 2017. Estimation of seasonal evapotranspiration and crop coefficient of wheat (*Triticum aestivum* L.) under drip irrigation and N-fertigation scheduling at Jalgaon, Maharashtra. *Journal of Agrometeorology* 19: 350 – 354.
146. Malve, S.H., **Praveen Rao, V.** and Dhake, A. 2017. Evaluation of water production function and optimization of water for winter wheat (*Triticum aestivum* L.) under drip irrigation. *Ecology, Environment and Conservation* 23: 417 – 425.
147. Nalini, N., Srinivas, A., Ramprakash, T. and **Praveen Rao, V.** 2017. Growth, yield attributes and yield of ajwain (*Trachyspermum ammi*) influenced by integrated weed management. *International Journal of Pure & Applied Bioscience* 5: 925 – 931.
148. Malve, S.H., **Praveen Rao, V.** and Dhake, A. 2017. Impact of drip irrigation and N-fertigation scheduling on wheat (*Triticum aestivum* L.) under semi-arid tropical environment. *Indian Journal of Agricultural Sciences* 87: 580 – 588.
149. Soumya, B., Vani, K.P., Babu, P.S., **Praveen Rao, V.** and Surekha, K. 2017. Impact of iron nutrition on yield and economics of aerobic rice cultivars. *Journal of Pharmacognosy and Phytochemistry* 6: 1096 – 1100.
150. Ravi, P., Jayasree, G., Prathiba, G., Balaguravaiah, D., **Praveen Rao, V.** and Rao, Ch.S. 2017. Nutrient uptake and nitrogen use efficiency as influenced by natural nitrification inhibitors and methods of cultivation in rice. *Green Farming* 8: 602 – 606.
151. Satish, C., Kumar, K.A., **Praveen Rao, V.**, and Roja, M. 2017. Optimization of irrigation water for drip irrigated *rabi* sorghum by using aquacrop model. *Agriculture Update* 12: 1296 – 1299.
152. Mote, K., **Praveen Rao, V.**, Ramulu, V., Kumar, K.A. and Devi, M.U. 2018. Response of growth parameters to alternate wetting and drying method of water management in low land rice (*Oryza sativa*). *International Journal of Current Microbiology and Applied Sciences* 6: 2081 – 2087.
153. Mote, K., **Praveen Rao, V.**, Ramulu, V., Kumar, K.A. and Devi, M.U. 2016. Standardization of alternate wetting and drying (AWD) method of water management in low land rice (*Oryza sativa* L.). *International Journal of Plant Production* 11: 515 – 532.
154. Mote, K., **Praveen Rao, V.**, Ramulu, V., Kumar, K.A. and Devi, M.U. 2017. Standardization of alternate wetting and drying (AWD) method of water management in low land rice (*Oryza sativa* L.) for upscaling in command outlets. *Irrigation and Drainage* 67: 166 – 178.
155. Malve, S.H., **Praveen Rao, V.** and Dhake, A. 2017. Yield and nutrient uptake of drip irrigated wheat under varying irrigation and nitrogen levels. *Multilogic in Science* VII: 21 – 25 (NAAS Rating 5.20).

156. Priya, N.S., Ramulu, V., **Praveen Rao, V.** and Devi, M.U. 2018. Effect of drip irrigation schedules and plastic mulching on plant growth, yield and leaf water potential of rabi maize. *International Journal of Pure & Applied Bioscience* 6 (1): 183 – 191.
157. Mote, K., **Praveen Rao, V.**, Kumar, K.A. and Ramulu, V. 2018. Estimation of crop evapotranspiration and crop coefficients of rice (*Oryza sativa* L.) under low land condition. *Journal of Agrometeorology* 20 (2): 117 – 121 (NAAS Rating 6.4).
158. Mounika, D., Devi, M.U., **Praveen Rao, V.**, Kumar, K.A. and Prabhakar, B.N. 2018. Yield, nutrient uptake and agronomic fertilizer use efficiency of paprika (*Capsicum annum* L.) with different N and K drip fertigation levels. *Green farming* 9(4): 720 – 725 (NAAS Rating 4.38).
159. Jena, N., Vani, K.P., **Praveen Rao, V.** and Sivasankar, A. 2014. Effect of nitrogen and phosphorus fertilization on growth and yield of quality protein maize (QPM). *International Journal of Science and Research* 4: 197 – 199.
160. Mounika, D., Devi, M.U., **Praveen Rao, V.**, Kumar, K.A. and Prabhakar, B.N. 2018. Impact of different N and K fertigation levels on yield attributes and total yield in paprika (*Capsicum annum* L.) under drip fertigation. *International Journal of Current Microbiology and Applied Sciences* 7: 638 – 653.
161. Mounika, D., Devi, M.U., **Praveen Rao, V.**, Kumar, K.A. and Prabhakar, B.N. 2018. Effect of N and K fertigation levels on total fruit yield, yield attributes and water productivity of paprika (*Capsicum annum* L.). *The Journal of Research PJTSAU* 46: 107 – 111.
162. Ranjitha, P.S., **Praveen Rao, V.**, Ramulu, V., Jayasree, G. and Reddy, S.N. 2018. Growth, yield and water use efficiency of groundnut under drip and surface furrow irrigation. *International Journal of Current Microbiology and Applied Sciences* 7: 1371 – 1376.
163. Mote, K.J., **Praveen Rao, V.**, Ramulu, V., Kumar, K.A. and Devi, M.U. 2019. Effectiveness of field water tube for standardization of alternate wetting and drying (AWD) method of water management in low land rice (*Oryza sativa* L.). *Irrigation and Drainage* 68: 679 – 689.
164. Mote, K., **Praveen Rao, V.** and Anitha, V. 2020. Alternate Wetting and Drying technology in rice. *Indian Farming* 70: 6 – 9.
165. **Praveen Rao, V.**, Rao, A.S. and Anitha, V. 2020. Drip irrigation of rice - A water saving technology for enhancing profitability and environmental security. *Indian Farming* 70: 2 – 7.
166. **Praveen Rao, V.**, Suresh, G., Ramanjaneyulu, A.V. and Anitha, V. 2021. Drip irrigation in castor enhances bean yield, saves water and increases profitability. *Chronicle of Bioresource Management* 5: 48 – 53.
167. **Praveen Rao, V.**, Anitha, V., Rao, A.S., Shekhar, J.C., Jat, S.L. and Takshit, S. 2021. Drip irrigation of maize - A good agricultural practice for enhanced yield, water saving and higher profits. *Indian Farming* 71: 27 – 32.
168. Ramulu, V., **Praveen Rao, V.**, Devi, M.U., Kumar, K.A. and Radhika, K. 2022. Drip Fertigation in aerobic rice for higher water and nutrient use efficiency in semi-arid regions of India. *Gradiva Review Journal* 8: 489 – 495.

169. Mote, K.J., **Praveen Rao, V.**, Ramulu, V., Kumar, K.A. and Devi, M.U. 2023. Alternate wetting and drying (AWD) irrigation technology for sustainable rice (*Oryza sativa* L.) production. *Irrigation Paddy and Water Environment* 21: 551 – 569.

## II. Review Articles

170. **Praveen Rao, V.** 2001. Drip irrigation and fertigation in Jojoba plantations (AJORP) Rajasthan. In: Proceedings of National Seminar on Jojoba held on 19<sup>th</sup>& 20<sup>th</sup> February, 2001 at Jaipur, Rajasthan, India, 5p.
171. **Praveen Rao, V.** 2011. Cotton irrigation. *IRRIGAZETTE* 126: 13 – 17.
172. Reddy, K.I., Hemalatha, S., Jayasree, G. and **Praveen Rao, V.** 2013. A critical review on integrated nutrient management in pongamia + castor agri-silvi system. *International Journal of Plant, Animal and Environmental Sciences* 3: 136 – 142.
173. Prathyusha, C., Hemalatha, S., **Praveen Rao, V.**, Jayasree, G. and Padmaja, J. 2013. A critical review on nitrogen management in speciality corn under pongamia = maize agri-silvi system. *International Journal of Applied Biology and Pharmaceutical Technology* 4: 166 – 175.
174. Hemalatha, S., **Praveen Rao, V.**, Reddy, A.P.K. and Suresh, K. 2013. A critical review on the influence of phosphorus on available nutrient status of soil in sunflower – groundnut crop sequence. *International Journal of Plant, Animal and Environmental Sciences* 3: 165 – 167.
175. Hemalatha, S., **Praveen Rao, V.**, Padmaja, J. and Suresh, K. 2013. An overview on role of phosphorus and water deficits on growth, yield and quality of groundnut (*Arachis hypogaea* L.). *International Journal of Applied Biology and Pharmaceutical Technology* 4: 188 – 201.
176. Hemalatha, S., **Praveen Rao, V.**, Padmaja, J. and Suresh, K. 2013. An overview on role of phosphorus on growth, yield and quality of sunflower (*Helianthus annuus* L.). *International Journal of Applied Biology and Pharmaceutical Technology* 3: 48 – 55.
177. **Praveen Rao, V.** and Anitha, V. 2016. Microirrigation Technologies for Water Conservation and Sustainable Crop Production. *International Journal of Economic Plants* 3: 27 – 33.
178. **Praveen Rao, V.** 2016. Precision pressurized irrigation systems for higher water productivity in rice. In: Souvenir of 4<sup>th</sup> International Agronomy Congress – Agronomy for sustainable management of natural resources, environment, energy and livelihood security to achieve zero hunger challenge (69 – 73p), 22 – 26 November, ISA & ICAR, New Delhi, India.
179. Kumar, K.A., Ramanjaneyulu, A.V., Ramulu, V. and **Praveen Rao, V.** 2017. Microirrigation for food security and improving water productivity. In: The Souvenir of the Third International Conference on Bio-resource and Stress Management, 8 – 11 November 2017, Jaipur, Rajasthan, India, 48 – 57p.
180. **Praveen Rao, V.** 2018. Breeding for crop improvement. *Current Science* 114: 256 – 257.
181. Kadasiddappa, M. and **Praveen Rao, V.** 2018. Irrigation scheduling through drip and surface methods- A critical review on growth, yield, nutrient uptake and water use studies of *rabi* maize, *Agricultural Reviews* 39: 300 – 306.

182. **Praveen Rao, V.** and Singh, H.P. 2019. Telangana State Microirrigation Project: A Special Purpose Vehicle to Avert Water Scarcity and Enhance Yield, Incomes and Environmental Sustainability. *International Journal of Innovative Horticulture* 8(2): 82 – 91.
183. **Praveen Rao, V.** 2019. Innovative irrigation scheduling techniques for optimal water use in vegetable and fruit production. In: Proceedings of International Conference “*Innovative Horticulture and Value Chain Management*” held from 28 – 31<sup>st</sup> May, 2019, GBPUA&T, Pantnagar, Uttarakhand, India.
184. Malve, S.H., Saini, A. and **Praveen Rao, V.** 2020. Irrigation Scheduling through Drip/Surface Method: A Review on Growth, Yield, Nutrient Uptake and Water Productivity of Wheat. *Agricultural Reviews* 41: 272 – 278.
185. **Praveen Rao, V.** 2021. Micro-irrigation – A sustainable technology for crop intensification, improved crop productivity and water use. In: Souvenir – 5<sup>th</sup> International Agronomy Congress “*Agri Innovations to Combat Food and Nutrition Challenges*” (November 23–27): 4 – 11.
186. Mote, K.J., **Praveen Rao, V.**, Ramulu, V., Kumar, K.A. and Devi, M.U. 2021. Performance of rice (*Oryza sativa* (L.)) under AWD irrigation practice—A brief review. *Paddy and Water Environment* 20: 1 – 21.
187. **Praveen Rao, V.** and Anitha, V. 2021. Agriculture transformation through big data and smart farming. *International Journal of Innovative Horticulture* 10(2): 130 – 137
188. Ravisankar, N., **Praveen Rao, V.**, Thakur, J.K., Krishnan, R., Rani, M., Joshi, H., Prusty, A.K., Shamim, M., Ansari, M.A., Singh, R., Raghavendra, K.J., Swarnam, T.P., Panwar, A.S., Bhaskar, S., Kumar, S. and Singh, R. 2024. Science of Natural Farming: Proven practices and their role in soil health and sustainability. *Journal of the Indian Society of Soil Science* 72 (Special Issue): 151 – 167.
189. **Praveen Rao, V.** 2025. Integrating microirrigation and fourth industrial revolution technologies in modern agriculture. In: Proceedings of National Conference on “*Microirrigation for Modern Agriculture*” (Eds: N.A. Raja, S. Ramdass, M.S. Kumar, A.R. Kumar, S. Marimuthu & M. Jawaharlal) held on 27<sup>th</sup> & 28<sup>th</sup> March, 2025 at SRM College of Agricultural Sciences, SRMIST: 1 – 19.

### III. Books

190. **Praveen Rao, V.** and Parusuramaiah, M. 2001. *Dryland Farming*. State Institute of Vocational Education, Government of Andhra Pradesh, Hyderabad
191. **Praveen Rao, V.** and Parusuramaiah, M. 2001. *Principles of Agronomy*. State Institute of Vocational Education, Government of Andhra Pradesh, Hyderabad
192. **Praveen Rao, V.** and Reddy, M.S. 2001. *Soils, Manures & Fertilizers and Weed Management*. State Institute of Vocational Education, Government of Andhra Pradesh, Hyderabad
193. **Praveen Rao, V.** and Reddy, M.S. 2001. *Irrigation Water Management*. State Institute of Vocational Education, Government of Andhra Pradesh, Hyderabad
194. **Praveen Rao, V.** 2003. *APMIP Training Manual*. AP Horticulture Training Institute, Department of Horticulture, Government of Andhra Pradesh, India

195. **Praveen Rao, V.** 2004. Andhra Pradesh Microirrigation Project. AP Horticulture Training Institute, Department of Horticulture, Government of Andhra Pradesh, India
196. **Praveen Rao, V.,** Baby, A., Reddy, T.Y. and Reddy, B.N. 2005. Practical Manual on Irrigation Water Management. Department of Agronomy, College of Agriculture, ANGRAU, Hyderabad 500030
197. Kumar, S., Kumar, R., Seema, Dhandapani, A., Sivaramane, N., Radhika, P., Meena, P.C. and **Praveen Rao, V.** 2017. Food Consumption Pattern in Telangana State 2017. PJTSAU, Hyderabad 500030, India, 226p.
198. **Praveen Rao, V.,** Muralidharan, K. and Siddiq, E.A. (Editors). 2018. Modern Breeding Strategies For Crop Improvement. In: Proceedings of One-Day Dialogue on July 10, 2017, ISBN No. 978-81-936934-0-7, PJTSAU, Rajendranagar, Hyderabad 500030, India, 250p..
199. **Praveen Rao, V.,** Ramulu, V., Anitha, V., Rao, A.S. and Muralidharan, K. 2019. Drip Irrigation – A Future Proof Smart Technology For Rice. Per Drop More Crop and More Water For the Planet. Publication No. 76/MC/PJTSAU/2019, ISBN No. 978-81-936934-1-4, PJTSAU, Rajendranagar, Hyderabad 500030, Telangana, India, 62p.
200. Jagadeeshwar, R., Kumari, R.V., Radhika, P., Reddy, D.S., Vijay, N., Sastry, R.K. and **Praveen Rao, V.** 2022. A Compendium of 75 Market Ready Technologies of PJTSAU, Volume – I. AgHub Foundation, ISBN No. 978-93-91780-04-3, PJTSAU, Rajendranagar, Hyderabad 500030, India, 97p.
201. **Praveen Rao, V.** 2022. Smart Crop Monitoring and Agrochemical Application With Autonomous Drones. AgHub – Agri Innovation Hub, ISBN No. 978-93-91780-02-9, PJTSAU, Rajendranagar, Hyderabad 500030, Telangana, India, 208p..
202. **Praveen Rao, V.,** Sastry, K.R., Jagdeeshwar, R., Vijay, N., Kumari, R.V. and Mukesh, R. 2022. Trailblazer: A Series of Agritech Use Cases – Volume I. AgHub Foundation, PJTSAU, Hyderabad 500030, Telangana, India, 67p.
203. Ramamurthy, V., **Praveen Rao, V.,** Jagadeeshwar, R., Kumari, R.V., Ramulu, V., Bhaskar, B. P., Chattaraj, S., Dwivedi, B. S. and Patil, N. G. 2022. Potential Crop Planning Zones of Telangana State for Sustainable Agricultural Development. NBSSLUP Publication No. 183, ICAR-National Bureau of Soil Survey and Land Use Planning, ISBN No. 978-81-89043-58-2 Amravati Road, NAGPUR 440 033, India, 156p.
204. Varma, N.R.G., Babu, T.K., Ramakrishna, A., Sunitha, V., Kavitha, K., Reddy, P.R.R., Ramana, M.V., Sridevi, G., Ramulu, V., Rahman, S.J., Umadevi, G., Rao, V.V., Jagadeeshwar, R. and **Praveen Rao, V.** 2022. Standard Operating Protocols (SOPs) for Drone Based Pesticide Application in Rice. Publication No. 41/MG/PJTSAU/2022, ISBN No. 978-81-936934-7-6, PJTSAU, Rajendranagar, Hyderabad 500030, Telangana, India, 104p.
205. Agrawal, R.C., Prasad, S.R., **Praveen Rao, V.,** Ganai, N.A., Janakiram, T., Chandel, R.S., Kamboj, B.R., Verma, V.K. and Agrawal, A. 2025. Guide and Models for Internal Revenue Generation in Agricultural Universities in India. ISBN No. 978-81-7164-289-2. Indian Council of Agricultural Research (ICAR), New Delhi, India, 40 p.

#### IV. Book Chapters

206. **Praveen Rao, V.** 2002. Drip irrigation and its application in farmer's fields of India. **In:** Recent Advances in Irrigation Management for Field Crops, 182 – 185p, (Eds. C.R. Chinnamuthu, A. Velayutham, S. Ramasamy, N. Sankaran and S.D. Sundarsingh), Centre of Advanced Studies in Agronomy. Tamilnadu Agricultural University, Coimbatore. Pp. 182 – 185.
207. **Praveen Rao, V.** 2013. Integrated Farming Systems: Key to Sustainable Agriculture Development. **In:** Integrated Farming Systems for Sustainable Agriculture and Enhancement of Rural Livelihoods, 9 – 17p, (Eds. K. Muralidharan, M.V.R. Prasad and E.A. Siddiq), RICERIA, Hyderabad, India.
208. **Praveen Rao, V.,** Rao, P.R. and Ramanjaneyulu, A.V. 2014. Microirrigation technology for improved and sustainable crop production. **In:** Advances in Agro-technology, Volume II, 166 – 202p, (Eds. H.G. Rodriguez, N.C. Sarkar, A.V. Ramanjaneyulu and R. Maiti), Puspa Publishing House, 50/2, Central Road, Kolkata, India - 700 122.
209. **Praveen Rao, V.** 2016. Precision pressurized irrigation systems for higher water productivity in rice. **In:** Souvenir – 4<sup>th</sup> International Agronomy Congress, 7 – 20p, 22 to 26<sup>th</sup> November 2016, Indian Society of Agronomy & Indian Council of Agricultural Research, New Delhi, India.
210. **Praveen Rao, V.** 2017. Enhancing farmers's income in Telangana state – Challenges and pathways. **In:** Role model Government of Telangana – An Anthology of Essays, 1 – 15p, (Eds. K. Indrasena, M. Prithvi Raj, K.D. Rao, V.Y. Avula, P.V. Ramana Rao), Habsiguda, Hyderabad, Telangana, India.
211. **Praveen Rao, V.** 2018. Doubling Farmers Income: Drip irrigation – An efficient tool to achieve the goal. **In:** Lead papers of XXI Biennial National Symposium, 17 – 20p, Indian Society of Agronomy, IARI, New Delhi 110 012.
212. **Praveen Rao, V.** 2019. Drip irrigation technology, A tool for resource management and enhancing small farmers incomes. **In:** Sustainability of Small Farmers in Changing Agricultural Scenario, 17 – 27p, (Eds. K.P. Rao, M.V.R. Prasad, Y. Muralidharudu and T. Damodaram), RICAREA, Hyderabad, India.
213. **Praveen Rao, V.** 2021. Microirrigation – A Sustainable Technology for Crop Intensification, Improved Crop Productivity and Water Use. **In:** Souvenir – 7<sup>th</sup> M.S. Swaminathan Award 2019, 69 – 74p, (Eds: M.V.R. Prasad & T. Damodaran), RICAREA, Hyderabad, India.
214. **Praveen Rao, V.** 2021. Sustainable Food Systems: Water challenges and Transformation technologies. **In:** Presidential Address – 5<sup>th</sup> International Agronomy Congress, 1 – 14p, 23 to 27<sup>th</sup> November 2021, Indian Society of Agronomy & Professor Jayashankar Telangana State Agricultural University, Hyderabad, India.

#### V. Bulletins

215. **Praveen Rao, V.** 2003. Rythannaku Basataga Andhra Pradesh Microirrigation Pathakam. APMIP, DoH, Hyderabad, Andhra Pradesh, India.

216. **Praveen Rao, V.**, Seema and Radhika, P. 2018. Food Consumption Pattern in Telangana State 2017: Handbook of Adilabad District. Publication No. 134/SR/PJTSAU/2017, Professor Jayashankar Telangana State Agricultural University, Hyderabad 500 030, India, 12p.
217. Seema, **Praveen Rao, V.** and Radhika, P. 2018. Food Consumption Pattern in Telangana State 2017: Handbook of Bhadradri Kothagudem District. Publication No. 135/SR/PJTSAU/2017, Professor Jayashankar Telangana State Agricultural University, Hyderabad 500 030, India, 12p.
218. **Praveen Rao, V.**, Seema and Radhika, P. 2018. Food Consumption Pattern in Telangana State 2017: Handbook of Hyderabad District. Publication No. 136/SR/PJTSAU/2017, Professor Jayashankar Telangana State Agricultural University, Hyderabad 500 030, India, 12p.
219. Seema, **Praveen Rao, V.** and Radhika, P. 2018. Food Consumption Pattern in Telangana State 2017: Handbook of Jagtial District. Publication No. 137/SR/PJTSAU/2017, Professor Jayashankar Telangana State Agricultural University, Hyderabad 500 030, India, 12p.
220. **Praveen Rao, V.**, Seema and Radhika, P. 2018. Food Consumption Pattern in Telangana State 2017: Handbook of Jangaon District. Publication No. 138/SR/PJTSAU/2017, Professor Jayashankar Telangana State Agricultural University, Hyderabad 500 030, India, 12p.
221. Seema, **Praveen Rao, V.** and Radhika, P. 2018. Food Consumption Pattern in Telangana State 2017: Handbook of Jayashankar Bhupalpally District. Publication No. 139/SR/PJTSAU/2017, Professor Jayashankar Telangana State Agricultural University, Hyderabad 500 030, India, 12p.
222. Seema, **Praveen Rao, V.** and Radhika, P. 2018. Food Consumption Pattern in Telangana State 2017: Handbook of Jogulamba Gadwal District. Publication No. 140/SR/PJTSAU/2017, Professor Jayashankar Telangana State Agricultural University, Hyderabad 500 030, India, 12p.
223. **Praveen Rao, V.**, Seema and Radhika, P. 2017. Food Consumption Pattern in Telangana State 2017: Handbook of Kamareddy District. Publication No. 141/SR/PJTSAU/2017, Professor Jayashankar Telangana State Agricultural University, Hyderabad 500 030, India, 12p.
224. Seema, **Praveen Rao, V.** and Radhika, P. 2018. Food Consumption Pattern in Telangana State 2017: Handbook of Karimnagar District. Publication No. 142/SR/PJTSAU/2017, Professor Jayashankar Telangana State Agricultural University, Hyderabad 500 030, India, 12p.
225. Seema, **Praveen Rao, V.** and Radhika, P. 2018. Food Consumption Pattern in Telangana State 2017: Handbook of Khammam District. Publication No. 143/SR/PJTSAU/2017, Professor Jayashankar Telangana State Agricultural University, Hyderabad 500 030, India, 12p.
226. **Praveen Rao, V.**, Seema and Radhika, P. 2018. Food Consumption Pattern in Telangana State 2017: Handbook of Kumurambheem Asifabad District. Publication No. 144/SR/PJTSAU/2017, Professor Jayashankar Telangana State Agricultural University, Hyderabad 500 030, India, 12p.
227. **Praveen Rao, V.**, Seema and Radhika, P. 2018. Food Consumption Pattern in Telangana State 2017: Handbook of Mahububabad District. Publication No. 145/SR/PJTSAU/2017, Professor Jayashankar Telangana State Agricultural University, Hyderabad 500 030, India, 12p.
228. Radhika, P., **Praveen Rao, V.** and Seema. 2018. Food Consumption Pattern in Telangana State 2017: Handbook of Mahabubnagar District. Publication No. 146/SR/PJTSAU/2017, Professor Jayashankar Telangana State Agricultural University, Hyderabad 500 030, India, 12p.

229. Seema, **Praveen Rao, V.** and Radhika, P. 2018. Food Consumption Pattern in Telangana State 2017: Handbook of Mancherla District. Publication No. 147/SR/PJTSAU/2017, Professor Jayashankar Telangana State Agricultural University, Hyderabad 500 030, India, 12p.
230. Seema, **Praveen Rao, V.** and Radhika, P. 2018. Food Consumption Pattern in Telangana State 2017: Handbook of Medak District. Publication No. 148/SR/PJTSAU/2017, Professor Jayashankar Telangana State Agricultural University, Hyderabad 500 030, India, 12p.
231. **Praveen Rao, V.**, Seema and Radhika, P. 2018. Food Consumption Pattern in Telangana State 2017: Handbook of Medchal Malkajgiri District. Publication No. 149/SR/PJTSAU/2017, Professor Jayashankar Telangana State Agricultural University, Hyderabad 500 030, India, 12p.
232. Seema, **Praveen Rao, V.** and Radhika, P. 2018. Food Consumption Pattern in Telangana State 2017: Handbook of Nagarkurnool District. Publication No. 150/SR/PJTSAU/2017, Professor Jayashankar Telangana State Agricultural University, Hyderabad 500 030, India, 12p.
233. Radhika, P., **Praveen Rao, V.** and Seema. 2018. Food Consumption Pattern in Telangana State 2017: Handbook of Nalgonda District. Publication No. 151/SR/PJTSAU/2017, Professor Jayashankar Telangana State Agricultural University, Hyderabad 500 030, India, 12p.
234. **Praveen Rao, V.**, Seema and Radhika, P. 2018. Food Consumption Pattern in Telangana State 2017: Handbook of Nirmal District. Publication No. 152/SR/PJTSAU/2017, Professor Jayashankar Telangana State Agricultural University, Hyderabad 500 030, India, 12p.
235. **Praveen Rao, V.**, Seema and Radhika, P. 2017. Food Consumption Pattern in Telangana State 2017: Handbook of Nizamabad District. Publication No. 153/SR/PJTSAU/2017, Professor Jayashankar Telangana State Agricultural University, Hyderabad 500 030, India, 12p.
236. Seema, **Praveen Rao, V.** and Radhika, P. 2018. Food Consumption Pattern in Telangana State 2017: Handbook of Peddapalli District. Publication No. 154/SR/PJTSAU/2017, Professor Jayashankar Telangana State Agricultural University, Hyderabad 500 030, India, 12p.
237. Radhika, P., **Praveen Rao, V.** and Seema. 2018. Food Consumption Pattern in Telangana State 2017: Handbook of Rajanna Sircilla District. Publication No. 155/SR/PJTSAU/2017, Professor Jayashankar Telangana State Agricultural University, Hyderabad 500 030, India, 12p.
238. Radhika, P., **Praveen Rao, V.** and Seema. 2018. Food Consumption Pattern in Telangana State 2017: Handbook of Rangareddy District. Publication No. 156/SR/PJTSAU/2017, Professor Jayashankar Telangana State Agricultural University, Hyderabad 500 030, India, 12p.
239. Radhika, P., **Praveen Rao, V.** and Seema. 2018. Food Consumption Pattern in Telangana State 2017: Handbook of Sangareddy District. Publication No. 157/SR/PJTSAU/2017, Professor Jayashankar Telangana State Agricultural University, Hyderabad 500 030, India, 12p.
240. **Praveen Rao, V.**, Seema and Radhika, P. 2018. Food Consumption Pattern in Telangana State 2017: Handbook of Siddipet District. Publication No. 158/SR/PJTSAU/2017, Professor Jayashankar Telangana State Agricultural University, Hyderabad 500 030, India, 12p.
241. Radhika, P., **Praveen Rao, V.** and Seema. 2018. Food Consumption Pattern in Telangana State 2017: Handbook of Suryapet District. Publication No. 159/SR/PJTSAU/2017, Professor Jayashankar Telangana State Agricultural University, Hyderabad 500 030, India, 12p.

242. Radhika, P., **Praveen Rao, V.** & Seema. 2018. Food Consumption Pattern in Telangana State 2017: Handbook of Vikarabad District. Publication No. 160/SR/PJTSAU/2017, Professor Jayashankar Telangana State Agricultural University, Hyderabad 500 030, India, 12p.
243. Radhika, P., **Praveen Rao, V.** and Seema. 2018. Food Consumption Pattern in Telangana State 2017: Handbook of Wanaparthy District. Publication No. 161/SR/PJTSAU/2017, Professor Jayashankar Telangana State Agricultural University, Hyderabad 500 030, India, 12p.
244. Radhika, P., **Praveen Rao, V.** and Seema. 2018. Food Consumption Pattern in Telangana State 2017: Handbook of Warangal (Rural) District. Publication No. 162/SR/PJTSAU/2017, Professor Jayashankar Telangana State Agricultural University, Hyderabad 500 030, India, 12p.
245. Radhika, P., **Praveen Rao, V.** and Seema. 2018. Food Consumption Pattern in Telangana State 2017: Handbook of Warangal (Urban) District. Publication No. 163/SR/PJTSAU/2017, Professor Jayashankar Telangana State Agricultural University, Hyderabad 500 030, India, 12p.
246. **Praveen Rao, V.**, Seema and Radhika, P. 2018. Food Consumption Pattern in Telangana State 2017: Handbook of Yadadri Bhuvanagiri District. Publication No. 164/SR/PJTSAU/2017, Professor Jayashankar Telangana State Agricultural University, Hyderabad 500 030, India, 12p.
247. Babu, P.S., Reddy, D.V.R., Patnaik, M.C., Madhavi, A., Srijaya, T., Shankaraiah, M., Sonia, P., Shukla, A.K., Dey, P. and **Praveen Rao, V.** 2018. Jagtial District – Soil Fertility Status and Fertilizer Use Guidelines. Publication No. 120/TB/PJTSAU/2018. PJTSAU, Rajendranagar, Hyderabad 500030, Telangana, India, 11p.
248. Babu, P.S., Reddy, D.V.R., Patnaik, M.C., Ramprakash, T., Madhavi, A., Shankaraiah, M., Srijaya, T., Sonia, P., Shukla, A.K., Dey, P. and **Praveen Rao, V.** 2018. Jogulamba Gadwal District – Soil Fertility Status and Fertilizer Use Guidelines. Publication No. 121/TB/PJTSAU/2018, PJTSAU, Rajendranagar, Hyderabad 500030, Telangana, India, 11p.
249. Babu, P.S., Reddy, D.V.R., Patnaik, M.C., Madhavi, A., Shankaraiah, M., Srijaya, T., Sonia, P., Shukla, A.K., Dey, P. and **Praveen Rao, V.** 2018. Kamareddy District – Soil Fertility Status and Fertilizer Use Guidelines. Publication No. 124/TB/PJTSAU/2018, PJTSAU, Rajendranagar, Hyderabad 500030, Telangana, India, 11p.
250. Babu, P.S., Reddy, D.V.R., Patnaik, M.C., Madhavi, A., Srijaya, T., Shankaraiah, M., Sonia, P., Shukla, A.K. Dey, P. and **Praveen Rao, V.** 2018. Karimnagar District – Soil Fertility Status and Fertilizer Use Guidelines. Publication No. 125/TB/PJTSAU/2018, PJTSAU, Rajendranagar, Hyderabad 500030, Telangana, India, 11p.
251. Babu, P.S., Reddy, D.V.R., Patnaik, M.C., Ramprakash, T., Madhavi, A., Shankaraiah, M., Srijaya, T., Sonia, P., Shukla, A.K. Dey, P. and **Praveen Rao, V.** 2018. Mahabubnagar District – Soil Fertility Status and Fertilizer Use Guidelines. Publication No. 122/TB/PJTSAU/2018, PJTSAU, Rajendranagar, Hyderabad 500030, Telangana, India, 11p.
252. Babu, P.S., Reddy, D.V.R., Patnaik, M.C., Madhavi, A., Srijaya, T., Shankaraiah, M., Soniya, P., Shukla, A.K. Dey, P. and **Praveen Rao, V.** 2018. Medchal Malkajigiri District – Soil Fertility Status and Fertilizer Use Guidelines. Publication No. 126/TB/PJTSAU/2018, PJTSAU, Rajendranagar, Hyderabad 500030, Telangana, India, 11p.

253. Babu, P.S., Reddy, D.V.R., Patnaik, M.C., Ramprakash, T., Madhavi, A., Shankaraiah, M., Srijaya, T., Soniya, P., Shukla, A.K. Dey, P. and **Praveen Rao, V.** 2018. Nagarkurnool District – Soil Fertility Status and Fertilizer Use Guidelines. Publication No. 123/TB/PJTSAU/2018, PJTSAU, Rajendranagar, Hyderabad 500030, Telangana, India, 11p.
254. Babu, P.S., Patnaik, M.C., Madhavi, A., Reddy, D.V.R., Kumar, T.S., Srijaya, T., Shankaraiah, M., Soniya, P., Shukla, A.K. Dey, P. and **Praveen Rao, V.** 2018. Nalgonda District – Soil Fertility Status and Fertilizer Use Guidelines. Publication No. 127/TB/PJTSAU/2018, PJTSAU, Rajendranagar, Hyderabad 500030, Telangana, India, 11p.
255. Babu, P.S., Reddy, D.V.R., Patnaik, M.C., Madhavi, A., Srijaya, T., Shankaraiah, M., Soniya, P., Shukla, A.K. Dey, P. and **Praveen Rao, V.** 2018. Nizamabad District – Soil Fertility Status and Fertilizer Use Guidelines. Publication No. 128/TB/PJTSAU/2018, PJTSAU, Rajendranagar, Hyderabad 500030, Telangana, India, 11p.
256. Babu, P.S., Reddy, D.V.R., Patnaik, M.C., Madhavi, A., Shankaraiah, M., Srijaya, T., Soniya, P., Shukla, A.K. Dey, P. and **Praveen Rao, V.** 2018. Peddapalli District – Soil Fertility Status and Fertilizer Use Guidelines. Publication No. 129/TB/PJTSAU/2018, PJTSAU, Rajendranagar, Hyderabad 500030, Telangana, India, 11p.
257. Babu, P.S., Reddy, D.V.R., Patnaik, M.C., Madhavi, A., Shankaraiah, M., Srijaya, T., Soniya, P., Shukla, A.K. Dey, P. and **Praveen Rao, V.** 2018. Rangareddy District – Soil Fertility Status and Fertilizer Use Guidelines. Publication No. 131/TB/PJTSAU/2018, PJTSAU, Rajendranagar, Hyderabad 500030, Telangana, India, 11p.
258. Babu, P.S., Patnaik, M.C., Kumar, T.S., Madhavi, A., Srijaya, T., Shankaraiah, M., Soniya, P., Shukla, A.K. Dey, P. and **Praveen Rao, V.** 2018. Siddipet District – Soil Fertility Status and Fertilizer Use Guidelines. Publication No. 119/TB/PJTSAU/2018, PJTSAU, Rajendranagar, Hyderabad 500030, Telangana, India, 11p.
259. Babu, P.S., Patnaik, M.C., Madhavi, A., Reddy, D.V.R., Kumar, T.S., Srijaya, T., Shankaraiah, M., Soniya, P., Shukla, A.K. Dey, P. and **Praveen Rao, V.** 2018. Suryapet District – Soil Fertility Status and Fertilizer Use Guidelines. Publication No. 132/TB/PJTSAU/2018, PJTSAU, Rajendranagar, Hyderabad 500030, Telangana, India, 11p.
260. Babu, P.S., Reddy, D.V.R., Patnaik, M.C., Madhavi, A., Srijaya, T., Shankaraiah, M., Sonia, P., Shukla, A.K. Dey, P. and **Praveen Rao, V.** 2018. Vikarabad District – Soil Fertility Status and Fertilizer Use Guidelines. Publication No. 133/TB/PJTSAU/2018, PJTSAU, Rajendranagar, Hyderabad 500030, Telangana, India, 11p.
261. Babu, P.S., Reddy, D.V.R., Patnaik, M.C., Ramprakash, T., Madhavi, A., Shankaraiah, M., Srijaya, T., Soniya, P., Shukla, A.K. Dey, P. and **Praveen Rao, V.** 2018. Wanaparthy District – Soil Fertility Status and Fertilizer Use Guidelines. Publication No. 134/TB/PJTSAU/2018, PJTSAU, Rajendranagar, Hyderabad 500030, Telangana, India, 11p.
262. Babu, P.S., Patnaik, M.C., Madhavi, A., Reddy, D.V.R., Kumar, T.S., Srijaya, T., Shankaraiah, M., Soniya, P., Shukla, A.K. Dey, P. and **Praveen Rao, V.** 2018. Yadadri Bhuvanagiri District – Soil Fertility Status and Fertilizer Use Guidelines. Publication No. 135/TB/PJTSAU/2018, PJTSAU, Rajendranagar, Hyderabad 500030, Telangana, India, 11p.

263. Babu, P.S., Reddy, D.V.R., Patnaik, M.C., Madhavi, A., Shankaraiah, M., Srijaya, T., Soniya, P., Shukla, A.K. and **Praveen Rao, V.** 2018. Rajanna Sircilla District – Soil Fertility Status and Fertilizer Use Guidelines. Publication No. 130/TB/PJTSAU/2018, PJTSAU, Rajendranagar, Hyderabad 500030, Telangana, India, 11p.
264. Mote, K.J., **Praveen Rao, V.**, Ramulu, V., Kumar, K.A. and Devi, M.U. 2018. Alternate Wetting and Drying: A climate smart water management practice in rice. Publication No. 106/BC/PJTSAU/2018, University Press, PJTSAU, Hyderabad 500030, Telangana, India, 8p.
265. **Praveen Rao, V.** and Ramulu, V. 2018. Telangana State Microirrigation Project: A SPV to avert water scarcity and enhance yield, incomes and environmental sustainability. PJTSAU, Rajendranagar, Hyderabad 500030, Telangana, India, 23p.
266. **Praveen Rao, V.** 2018. Precision Nutrition to Crops with Fertigation. Publication No. 137/MG/PJTSAU/ 2018, PJTSAU, Rajendranagar, Hyderabad 500030, Telangana, India, 35p.
267. **Praveen Rao, V.**, Seema and Radhika, P. 2018. Food Consumption Pattern in Telangana State 2017: Handbook of Adilabad District. Publication No. 134/SR/PJTSAU/2017, Professor Jayashankar Telangana State Agricultural University, Hyderabad 500 030, India, 12p.
268. Babu, P.S., Patnaik, M.C., Kumar, G.P., Madhavi, A., Srijaya, T., Shankaraiah, M., Sonia, P., Shukla, A.K. and **Praveen Rao, V.** 2019. Adilabad District – Soil Fertility Status and Fertilizer Use Guidelines. Publication No. 117/SP/PJTSAU/2019, PJTSAU, Rajendranagar, Hyderabad 500030, Telangana, India, 11p.
269. Babu, P.S., Patnaik, M.C., Reddy, R.U., Madhavi, A., Srijaya, T., Shankaraiah, M., Sonia, P., Shukla, A.K. and **Praveen Rao, V.** 2019. Bhadradi Kothagudem District – Soil Fertility Status and Fertilizer Use Guidelines. Publication No. 122/SP/PJTSAU/2019, PJTSAU, Rajendranagar, Hyderabad 500030, Telangana, India, 11p.
270. Babu, P.S., Patnaik, M.C., Srijaya, T., Madhavi, A., Shankaraiah, M., Sonia, P., Shukla, A.K. and **Praveen Rao, V.** 2019. Jangaon District – Soil Fertility Status and Fertilizer Use Guidelines. Publication No. 127/SP/PJTSAU/2019, PJTSAU, Rajendranagar, Hyderabad 500030, Telangana, India, 11p.
271. Babu, P.S., Patnaik, M.C., Srijaya, T., Madhavi, A., Shankaraiah, M., Sonia, P., Shukla, A.K. and **Praveen Rao, V.** 2019. Jayashankar Bhupalpally District – Soil Fertility Status and Fertilizer Use Guidelines. Publication No. 125/SP/PJTSAU/2019, PJTSAU, Rajendranagar, Hyderabad 500030, Telangana, India, 11p.
272. Babu, P.S., Patnaik, M.C., Reddy, R.U., Madhavi, A., Srijaya, T., Shankaraiah, M., Soniya, P., Shukla, A.K. and **Praveen Rao, V.** 2019. Khammam District – Soil Fertility Status and Fertilizer Use Guidelines. Publication No. 121/SP/PJTSAU/2019, PJTSAU, Rajendranagar, Hyderabad 500030, Telangana, India, 11p.
273. Babu, P.S., Patnaik, M.C., Shankaraiah, M., Kumar, G.P., Madhavi, A., Srijaya, T., Soniya, P., Shukla, A.K. and **Praveen Rao, V.** 2019. Kumarambheem Asifabad District – Soil Fertility Status and Fertilizer Use Guidelines. Publication No. 118/SP/PJTSAU/2019, PJTSAU, Rajendranagar, Hyderabad 500030, Telangana, India, 11p.

274. Babu, P.S., Patnaik, M.C., Srijaya, T., Madhavi, A., Shankaraiah, M., Soniya, P., Shukla, A.K. and **Praveen Rao, V.** 2019. Mahabubabad District – Soil Fertility Status and Fertilizer Use Guidelines. Publication No. 126/SP/PJTSAU/2019, PJTSAU, Rajendranagar, Hyderabad 500030, Telangana, India, 11p.
275. Babu, P.S., Patnaik, M.C., Shankaraiah, M., Kumar, G.P., Madhavi, A., Srijaya, T., Soniya, P., Shukla, A.K. and **Praveen Rao, V.** 2019. Mancherial District – Soil Fertility Status and Fertilizer Use Guidelines. Publication No. 120/SP/PJTSAU/2019, PJTSAU, Rajendranagar, Hyderabad 500030, Telangana, India, 11p.
276. Babu, P.S., Patnaik, M.C., Kumar, T.S., Madhavi, A., Srijaya, T., Shankaraiah, M., Soniya, P., Shukla, A.K. and **Praveen Rao, V.** 2019. Medak District – Soil Fertility Status and Fertilizer Use Guidelines. Publication No. 115/SP/PJTSAU/2019, PJTSAU, Rajendranagar, Hyderabad 500030, Telangana, India, 11p.
277. Babu, P.S., Patnaik, M.C., Kumar, G.P., Madhavi, A., Srijaya, T., Shankaraiah, M., Soniya, P., Shukla, A.K. and **Praveen Rao, V.** 2019. Nirmal District – Soil Fertility Status and Fertilizer Use Guidelines. Publication No. 119/SP/PJTSAU/2019, PJTSAU, Rajendranagar, Hyderabad 500030, Telangana, India, 11p.
278. Babu, P.S., Patnaik, M.C., Kumar, T.S., Madhavi, A., Srijaya, T., Shankaraiah, M., Soniya, P., Shukla, A.K. and **Praveen Rao, V.** 2019. Sangareddy District – Soil Fertility Status and Fertilizer Use Guidelines. Publication No. 116/SP/PJTSAU/2019, PJTSAU, Rajendranagar, Hyderabad 500030, Telangana, India, 11p.
279. Babu, P.S., Patnaik, M.C., Srijaya, T., Madhavi, A., Shankaraiah, M., Soniya, P., Shukla, A.K. and **Praveen Rao, V.** 2019. Warangal Urban District – Soil Fertility Status and Fertilizer Use Guidelines. Publication No. 124/SP/PJTSAU/2019, PJTSAU, Rajendranagar, Hyderabad 500030, Telangana, India, 11p.
280. Babu, P.S., Patnaik, M.C., Srijaya, T., Madhavi, A., Shankaraiah, M., Soniya, P., Shukla, A.K. and **Praveen Rao, V.** 2019. Warangal Rural District – Soil Fertility Status and Fertilizer Use Guidelines. Publication No. 123/SP/PJTSAU/2019, PJTSAU, Rajendranagar, Hyderabad 500030, Telangana, India, 11p.
281. Anitha,V., **Praveen Rao, V.**, Reddy, D.R.R., Reddy, CH.V.G., Pallavi, M., Seema., Radhika, P., Aparna, K., and Reddy, D., 2019. Youth as Torch Bearers of Business Oriented Agriculture in South India. In: Proceedings and Recommendations of the Regional Workshop on Youth as Torch Bearers of Business Oriented Agriculture in South India – INSPIRE held from October 21 – 22, 2019. Publication No. 159/CP/PJTSAU/2019 PJTSAU, Rajendranagar, Hyderabad 500030, Telangana State, India, 72p.
282. Malathi, S., Varma, N.R.G., Jagadeeshwar, R. and **Praveen Rao, V.** 2020. Standard Operating Procedures for Locust Control in Telangana. PJTSAU, Rajendranagar, Hyderabad 500030, Telangana, India, 8p.
283. Varma, N.R.G., Babu, T.K., Malathi, S., Sreenivas, G., Naik, B.B., Balram, N., Rahman, S.J., Umadevi, G., Prasad, Y.G., Jagadeeshwar, R. and **Praveen Rao, V.** 2022. Rice Insect Pests and

Disease Weather Calander–Nizamabad District, Telangana. Publication No. 02/BC/PJTSAU/2022, PJTSAU, Rajendranagar, Hyderabad 500030, Telangana, India, 14p.

## V. Extension Folders

284. Rao, C.L.N., **Praveen Rao, V.** and Rao, A.S. 2006. Mirapa panta lo drip neeti yajamanyam (Drip irrigation management in Chillies). Netafim Irrigation India Pvt., Ltd., Vadodara 391 775, India, 4p.
285. Rao, C.L.N., **Praveen Rao, V.** and Rao, A.S. 2006. Netafim drip fertigation to patti panta saagu (Drip fertigation management in cotton). Netafim Irrigation India Pvt., Ltd., Vadodara 391 775, India, 4p.
286. Rao, C.L.N., **Praveen Rao, V.** and Rao, A.S. 2006. Boppai panta lo drip neeti yajamanyan (Drip irrigation management in Papaya). Netafim Irrigation India Pvt., Ltd., Vadodara 391 775, India, 4p.
287. **Praveen Rao, V.** 2006. Nimma panta lo drip neeti yajamanyam (Drip irrigation management in Acid Lime). Netafim Irrigation India Pvt., Ltd., Vadodara 391 775, India, 4p.
288. Rao, C.L.N. and **Praveen Rao, V.** 2006. Pasupu panta lo drip neeti yajamanyan (Drip irrigation management in Turmeric). Netafim Irrigation India Pvt., Ltd., Vadodara 391 775, India, 4p.
289. **Praveen Rao, V.** 2006. Tomato panta lo drip neeti yajamanyam (Drip irrigation management in Tomato). Netafim Irrigation India Pvt., Ltd., Vadodara 391 775, India, 4p.
290. Rao, C.L.N. and **Praveen Rao, V.** 2007. Netafim drip paddati lo boppai saagu (Papaya cultivation under Netafim Drip irrigation). Netafim Irrigation India Pvt., Ltd., Vadodara 391 775, India, 5p.
291. **Praveen Rao, V.** and Rao, A.S. 2007. Netafim drip paddati lo cheeni nimma saagu (Acid Lime cultivation under Netafim Drip irrigation). Netafim Irrigation India Pvt., Ltd., Vadodara 391 775, India, 5p.
292. **Praveen Rao, V.** 2007. Netafim drip paddati lo cheraku saagu (Sugarcane cultivation under Netafim Drip irrigation). Netafim Irrigation India Pvt., Ltd., Vadodara 391 775, India, 5p.
293. **Praveen Rao, V.** 2007. Netafim drip paddati lo danimma saagu (Pomegranate cultivation under Netafim Drip irrigation). Netafim Irrigation India Pvt., Ltd., Vadodara 391 775, India, 5p.
294. **Praveen Rao, V.** 2007. Netafim drip paddati lo draksha saagu (Table Grapes cultivation under Netafim Drip irrigation). Netafim Irrigation India Pvt., Ltd., Vadodara 391 775, India, 5p.
295. **Praveen Rao, V.** 2007. Netafim drip paddati lo mamidi saagu (Mango cultivation under Netafim Drip irrigation). Netafim Irrigation India Pvt., Ltd., Vadodara 391 775, India, 5p.
296. **Praveen Rao, V.** 2007. Netafim drip paddati lo mirapa saagu (Chilli cultivation under Netafim Drip irrigation). Netafim Irrigation India Pvt., Ltd., Vadodara 391 775, India, 5p.
297. Rao, C.L.N., **Praveen Rao, V.** & Rao, A.S. 2007. Netafim drip paddati lo mulberry saagu (Mulberry cultivation under Netafim Drip irrigation). Netafim Irrigation India Pvt., Ltd., Vadodara 391 775, India, 5p.
298. **Praveen Rao, V.** 2009. Eruvula yajamanyamlo nutana oravadi – Fertigation (New Vistas in Fertigation). IFFICO, Masab tank, Hyderabad Office, Telangana, India, 8p.
299. **Praveen Rao, V.** 2013. Eruvula yajamanyamlo nutana oravadi – Fertigation (New Vistas in Fertigation). WTC, PJTSAU, Rajendranagar, Hyderabad, 14p.

300. **Praveen Rao, V.**, Seema and Radhika, P. 2018. Aahara veniyoga sarali: Mahabubabad zilla, Telangana Rastram 2017 (Food Consumption Pattern in Mahabubabad district, Telangana). Professor Jayashankar Telangana State Agricultural University, Hyderabad 500 030, India, 8p.
301. **Praveen Rao, V.**, Seema and Radhika, P. 2018. Aahara veniyoga sarali: Adilabad zilla, Telangana rastram 2017 (Food Consumption Pattern in Adilabad district, Telangana). Professor Jayashankar Telangana State Agricultural University, Hyderabad 500 030, India, 8p.
302. **Praveen Rao, V.**, Seema and Radhika, P. 2018. Aahara veniyoga sarali: Bhadradi Kothagudem zilla, Telangana Rastram 2017 (Food Consumption Pattern in Bhadradi Kothagudem district, Telangana). Professor Jayashankar Telangana State Agricultural University, Hyderabad 500 030, India, 8p.
303. **Praveen Rao, V.**, Seema and Radhika, P. 2018. Aahara veniyoga sarali: Hyderabad zilla, Telangana Rastram 2017 (Food Consumption Pattern in Hyderabad district, Telangana). Professor Jayashankar Telangana State Agricultural University, Hyderabad 500 030, India, 8p.
304. **Praveen Rao, V.**, Seema and Radhika, P. 2018. Aahara veniyoga sarali: Jagtial zilla, Telangana Rastram 2017 (Food Consumption Pattern in Jagtial district, Telangana). Professor Jayashankar Telangana State Agricultural University, Hyderabad 500 030, India, 8p.
305. **Praveen Rao, V.**, Seema and Radhika, P. 2018. Aahara veniyoga sarali: Jangoan zilla, Telangana Rastram 2017 (Food Consumption Pattern in Jangoan district, Telangana). Professor Jayashankar Telangana State Agricultural University, Hyderabad 500 030, India, 8p.
306. **Praveen Rao, V.**, Seema and Radhika, P. 2018. Aahara veniyoga sarali: Kamareddy zilla, Telangana Rastram 2017 (Food Consumption Pattern in Kamareddy district, Telangana). Professor Jayashankar Telangana State Agricultural University, Hyderabad 500 030, India, 8p.
307. **Praveen Rao, V.**, Seema and Radhika, P. 2018. Aahara veniyoga sarali: Kumarambheem Asifabad zilla, Telangana Rastram 2017 (Food Consumption Pattern in Kumarambheem Asifabad district, Telangana). Professor Jayashankar Telangana State Agricultural University, Hyderabad 500 030, India, 8p.
308. **Praveen Rao, V.**, Seema and Radhika, P. 2018. Aahara veniyoga sarali: Medchal zilla, Telangana Rastram 2017 (Food Consumption Pattern in Medchal district, Telangana). Professor Jayashankar Telangana State Agricultural University, Hyderabad 500 030, India, 8p.
309. **Praveen Rao, V.**, Seema and Radhika, P. 2018. Aahara veniyoga sarali: Nirmal zilla, Telangana Rastram 2017 (Food Consumption Pattern in Nirmal district, Telangana). Professor Jayashankar Telangana State Agricultural University, Hyderabad 500 030, India, 8p.
310. **Praveen Rao, V.**, Seema and Radhika, P. 2018. Aahara veniyoga sarali: Nizamabad zilla, Telangana Rastram 2017 (Food Consumption Pattern in Nizamabad district, Telangana). Professor Jayashankar Telangana State Agricultural University, Hyderabad 500 030, India, 8p.
311. **Praveen Rao, V.**, Seema and Radhika, P. 2018. Aahara veniyoga sarali: Siddipet zilla, Telangana Rastram 2017 (Food Consumption Pattern in Siddipet district, Telangana). Professor Jayashankar Telangana State Agricultural University, Hyderabad 500 030, India, 8p.

312. **Praveen Rao, V.**, Seema and Radhika, P. 2018. Aahara veniyoga sarali: Suryapet zilla, Telangana Rastram 2017 (Food Consumption Pattern in Suryapet district, Telangana). Professor Jayashankar Telangana State Agricultural University, Hyderabad 500 030, India, 8p.
313. **Praveen Rao, V.**, Seema and Radhika, P. 2018. Aahara veniyoga sarali: Vikarabad zilla, Telangana Rastram 2017 (Food Consumption Pattern in Vikarabad district, Telangana). Professor Jayashankar Telangana State Agricultural University, Hyderabad 500 030, India, 8p.
314. **Praveen Rao, V.**, Seema and Radhika, P. 2018. Aahara veniyoga sarali: Wanaparthy zilla, Telangana Rastram 2017 (Food Consumption Pattern in Wanaparthy district, Telangana). Professor Jayashankar Telangana State Agricultural University, Hyderabad 500 030, India, 8p.
315. **Praveen Rao, V.**, Seema and Radhika, P. 2018. Aahara veniyoga sarali: Warangal Rural zilla, Telangana Rastram 2017 (Food Consumption Pattern in Warangal Rural district, Telangana). Professor Jayashankar Telangana State Agricultural University, Hyderabad 500 030, India, 8p.
316. **Praveen Rao, V.**, Seema and Radhika, P. 2018. Aahara veniyoga sarali: Warangal Urban zilla, Telangana Rastram 2017 (Food Consumption Pattern in Warangal Urban district, Telangana). Professor Jayashankar Telangana State Agricultural University, Hyderabad 500 030, India, 8p.
317. **Praveen Rao, V.**, Seema and Radhika, P. 2018. Aahara veniyoga sarali: Yadadri Bhuvanagiri zilla, Telangana Rastram 2017 (Food Consumption Pattern in Yadadri Bhuvanagiri district, Telangana). Professor Jayashankar Telangana State Agricultural University, Hyderabad 500 030, India, 8p.
318. **Praveen Rao, V.**, Seema and Radhika, P. 2018. Aahara veniyoga sarali: Jayashankar Bhupalpally zilla, Telangana Rastram 2017 (Food Consumption Pattern in Jayashankar Bhupalpally district, Telangana). Professor Jayashankar Telangana State Agricultural University, Hyderabad 500 030, India, 8p.
319. Radhika, P., **Praveen Rao, V.** and Seema. 2018. Aahara veniyoga sarali: Mahabubnagar zilla, Telangana Rastram 2017 (Food Consumption Pattern in Mahabubnagar district, Telangana). Professor Jayashankar Telangana State Agricultural University, Hyderabad 500 030, India, 8p.
320. Radhika, P., **Praveen Rao, V.** and Seema. 2018. Aahara veniyoga sarali: Nalgonda zilla, Telangana Rastram 2017 (Food Consumption Pattern in Nalgonda district, Telangana). Professor Jayashankar Telangana State Agricultural University, Hyderabad 500 030, India, 8p.
321. Radhika, P., **Praveen Rao, V.** and Seema. 2018. Aahara veniyoga sarali: Rajanna Sircilla zilla, Telangana Rastram 2017 (Food Consumption Pattern in Rajanna Sircilla district, Telangana). Professor Jayashankar Telangana State Agricultural University, Hyderabad 500 030, India, 8p.
322. Radhika, P., **Praveen Rao, V.** and Seema. 2018. Aahara veniyoga sarali: Rangareddy zilla, Telangana Rastram 2017 (Food Consumption Pattern in Rangareddy district, Telangana). Professor Jayashankar Telangana State Agricultural University, Hyderabad 500 030, India, 8p.
323. Radhika, P., **Praveen Rao, V.** and Seema. 2018. Aahara veniyoga sarali: Sangareddy zilla, Telangana Rastram 2017 (Food Consumption Pattern in Sangareddy district, Telangana). Professor Jayashankar Telangana State Agricultural University, Hyderabad 500 030, India, 8p.
324. Seema, **Praveen Rao, V.** and Radhika, P. 2018. Aahara veniyoga sarali: Jogulamba Gadwal zilla, Telangana Rastram 2017 (Food Consumption Pattern in Jogulamba Gadwal district, Telangana). Professor Jayashankar Telangana State Agricultural University, Hyderabad 500 030, India, 8p.

325. Seema, **Praveen Rao, V.** and Radhika, P. 2018. Aahara veniyoga sarali: Khammam zilla, Telangana Rastram 2017 (Food Consumption Pattern in Khammam district, Telangana). Professor Jayashankar Telangana State Agricultural University, Hyderabad 500 030, India, 8p.
326. Seema, **Praveen Rao, V.** and Radhika, P. 2018. Aahara veniyoga sarali: Karimnagar zilla, Telangana Rastram 2017 (Food Consumption Pattern in Karimnagar district, Telangana). Professor Jayashankar Telangana State Agricultural University, Hyderabad 500 030, India, 8p.
327. Seema, **Praveen Rao, V.** and Radhika, P. 2018. Aahara veniyoga sarali: Mancherial zilla, Telangana Rastram 2017 (Food Consumption Pattern in Mancherial district, Telangana). Professor Jayashankar Telangana State Agricultural University, Hyderabad 500 030, India, 8p.
328. Seema, **Praveen Rao, V.** and Radhika, P. 2018. Aahara veniyoga sarali: Medak zilla, Telangana Rastram 2017 (Food Consumption Pattern in Medak district, Telangana). Professor Jayashankar Telangana State Agricultural University, Hyderabad 500 030, India, 8p.
329. Seema, **Praveen Rao, V.** and Radhika, P. 2018. Aahara veniyoga sarali: Nagarkurnool zilla, Telangana Rastram 2017 (Food Consumption Pattern in Nagarkurnool district, Telangana). Professor Jayashankar Telangana State Agricultural University, Hyderabad 500 030, India, 8p.
330. Seema, **Praveen Rao, V.** and Radhika, P. 2018. Aahara veniyoga sarali: Peddapalle zilla, Telangana Rastram 2017 (Food Consumption Pattern in Peddapalle district, Telangana). Professor Jayashankar Telangana State Agricultural University, Hyderabad 500 030, India, 8p.

## VI. Popular Articles

331. Reddy, B.B., Reddy, D.R., **Praveen Rao, V.** et al. 1987. Vari pyrulo natragani poshaka padartham upayogapu vilvanu penchu pichikari sadhanam
332. **Praveen Rao, V.** 1987. Uttara Telangana lo verusenuga panta adhika degubadulaku avarodhalu.
333. **Praveen Rao, V.** and Reddy, D.R. 1987. Kharif verusenuga adhikaotpattiki suchanalu.
334. Reddy, M.S., **Praveen Rao, V.** and Reddy, D.R. 1987. Nune ginjala pantalaku eruvulu – I.
335. Reddy, M.S., **Praveen Rao, V.** and Reddy, D.R. 1987. Nune ginjala pantalalo eruvula vadakam – II.
336. **Praveen Rao, V.** and Reddy, D.R. 1987. Vesavilo kuda pesara pandinchavacchu.
337. Raikelkar, S.V., Lande, P.B., **Praveen Rao, V.** et al. 1989 - Unhali Tilcha Pikachi Lagavad Paddat - Trombay News Letter December 1989.
338. **Praveen Rao, V.** 2003. Microirrigation – A viable & sustainable option for higher yield and efficient use of Water & Power, Annadata, 35 (8): 10 – 13
339. **Praveen Rao, V.** 2003. Vegetable cultivation under drip fertigation, Annadata, 35 (8): 15
340. **Praveen Rao, V.** 2003. Cotton cultivation under drip fertigation, Annadata, 35 (8): 16
341. **Praveen Rao, V.** 2003. Mango cultivation under drip fertigation, Annadata, 35 (8): 14 – 15
342. **Praveen Rao, V.** 2003. Mulberry cultivation under drip fertigation, Annadata, 35 (8): 55
343. **Praveen Rao, V.** 2003. Growing of Groundnuts and Pulses with sprinkler irrigation, Annadata, 35 (8): 56.
344. **Praveen Rao, V.** 2010. Eruvula Yajamanyamlo Nutana Oravadi - Fertigation (Telugu). Vyvasayam, ANGRAU Monthly Agriculture Magazine, January 2010, pages 4 – 9.

345. **Praveen Rao, V.** 2011. Drip irrigation of castor pays. AgroNet News Letter 55, Netafim Yiftah, Israel.
346. Ramulu, V., **Praveen Rao, V.**, et al., 2013. Jatiya Ahara Badratalo Chiru danyala pantala pramukhyam.
347. **Praveen Rao, V.** 2015. Eruvula yjamanyamlo nutana voravadi – Fertigation.
348. Raj, B. and **Praveen Rao, V.** 2015. Role of ICT in Agriculture and its use in PJTSAU for transfer of technology.
349. **Praveen Rao, V.** 2015. Kharif sagu lo tevalisina marpulu.
350. **Praveen Rao, V.** 2017. Sendreya Vyvasaya Parishodana, Vistarana lo Savallu Avakashalu (Telugu).
351. **Praveen Rao, V.** 2017. Sanketika Sagulo Kotta Puntalu.
352. **Praveen Rao, V.** 2018. Apramattatone Kattera Puruguku Addukatta.
353. **Praveen Rao, V.** 2018. Kalaniki Deetuga Vyavasanni Teesukelladame ma lakshyam.
354. **Praveen Rao, V.** 2018. Telangana Vyvasaya abhivrudhi - Sankshema Patakalu
355. **Praveen Rao, V.** 2018. Rythu Sevalo Professor Jayashankar Telangana Vyvasaya Vishwavidyalayam.
356. **Praveen Rao, V.** 2019. Rythu adayam penche panta colonel.
357. **Praveen Rao, V.** 2019. Sendreya Sedyame Bhavitaralaku Bharosa.
358. **Praveen Rao, V.**, Reddy, CH.V., Anitha, V., et al., 2019a. Drip irrigation to samarthavantamyna vanarula yjamanyam, adhika adayam, paryavarana samrakshana Part 1.
359. **Praveen Rao, V.**, Reddy, CH.V., Anitha, V., et al., 2019b. Drip irrigation to samarthavantamyna vanarula yjamanyam, adhika adayam, paryavarana samrakshana Part 2.
360. **Praveen Rao, V.** 2019. Bindu Sedhyame Chinna Rythuku Utam.
361. **Praveen Rao, V.** and Ramulu, V. 2019. TSMIP to address the water scarcity in the state.
362. **Praveen Rao, V.** 2019. Prapancha chitrapatamlo viswavidyalayaniki gurthimpu tevatame na lakshyam.
363. **Praveen Rao, V.** 2020. Adaya badrata tone rythuku managada.
364. **Praveen Rao, V.** 2021. Enabling an Inclusive Ecosystem fo AgriTech - PJTSAU Experience.
365. **Praveen Rao, V.** 2021. O vision to munduku veltunnamu.
366. **Praveen Rao, V.** 2021. Smart farming and Entrepreneurship development.
367. **Praveen Rao, V.** 2021. Taking Tech to Agriculture.
368. **Praveen Rao, V.** 2022. Smart Farming and Entrepreneurship Development in Agricultural Universities.
369. **Praveen Rao, V.** 2022. Professor Jayashankar Telangana State Agricultural University: Striving for a greener tomorrow.
370. **Praveen Rao, V.** 2023. Next Generation 4IR Technologies for Transition Towards Sustainable AgriFood Systems.
371. **Praveen Rao, V.** et al., 2023. Samachara Sanketikata Tone Vyvasaya Rangam lo Sthiramyna Abhivrudhi.
372. **Praveen Rao, V.** 2024. Steering higher agricultural education towards academic excellence

## VII. Policy Documents

373. **Praveen Rao, V.** 2011. Feasibility of drip irrigation in field row crops – Experimental evidence. ANGRAU, Rajendranagar, Hyderabad 500030, Andhra Pradesh, India, 29p.
374. **Praveen Rao, V.** and Anitha, V. 2016. PJTSAU Research, Extension and Education: Present Status & Future Strategies. PJTSAU, Rajendranagar, Hyderabad 500030, Telangana State, India, 116p.
375. **Praveen Rao, V.** and Anitha, V. 2017. PJTSAU – Vision Document 2017 – 2032. PJTSAU, Rajendranagar, Hyderabad 500030, Telangana State, India, 17p.
376. **Praveen Rao, V.,** Ravisankar, N., et al. 2021. Report on “Empirically Validating the Results of Subash Palekar Natural Farming (SPNF) Model”. Indian Council of Agricultural Research, Ministry of Agriculture, Cooperation and Farmers Welfare, Government of India, New Delhi, 248p.
377. **Praveen Rao, V.** and Reddy, K.S. 2021. Strategy Document for Telangana State – Doubling of Farmers Income by 2022. Indian Council of Agricultural Research, Department of Agricultural Research and Education, Ministry of Agriculture & Farmers Welfare, New Delhi, 121p.
378. **Praveen Rao, V.,** Sastry, R.K., Vijay, N. and Asra, S.S. 2023. Transforming agri-food systems through data-driven technologies: Lessons from India’s NAREES. T20 Policy Brief, Task Force 6, Accelerating SDGs: Exploring Pathways to the 2030 Agenda, 14p.

## VIII. Practical Manuals

379. **Praveen Rao, V.** 1993. Irrigation Water Management – A Practical Work Book, B.S.C. Publications, Hyderabad. 80p.
380. **Praveen Rao, V.,** Baby, A., Reddy, T.Y. and Reddy, B.B. 2005. Practical Manual of Irrigation Water Management (Course No. Agro. 401). Department of Agronomy, Acharya N.G. Ranga Agricultural University, Hyderabad. 87p.
381. **Praveen Rao, V.,** Suneetha, K.B., Hemalatha, S., Prasad, P.V.N., Reddy, G.P., Ramana, A.V., Chandrasekhar, K., Reddy, M.S., Ammaji, P. and Mukundam, B. 2010. Water Management – Practical Manual for Agron. 201 U.G. Course. Department of Agronomy, College of Agriculture, Rajendranagar, ANGRAU, Hyderabad. 68p.
382. **Praveen Rao, V.** 2011. Principles and Practices of Water Management – Practical Manual (For Agron. 504 P.G. Course). Department of Agronomy, Acharya N.G. Ranga Agricultural University, Hyderabad. 46p.
383. **Praveen Rao, V.,** Devi, K.B.S., Hemalatha, S., Chandrasekhar, K. and Padmaja, B. 2015. Water Management Practical Manual (Agro. 201). Professor Jayashankar Telangana State Agricultural University, Rajendranagar, Hyderabad, Telangana State.

## IX. Crop Growing Manuals

384. **Praveen Rao, V.** 2003. Sugarcane Cultivation Under Drip Fertigation. AKM Crop Growing Manual Series No. 5. AgroKnowledge Management, Agriculture Division, Netafim Ltd., Kibbutz Yiftah, Israel 13840.
385. **Praveen Rao, V.** 2003. Baby Corn Cultivation Under Drip Fertigation. AKM Crop Growing Manual Series No. 4. AgroKnowledge Management, Agriculture Division, Netafim Ltd., Kibbutz Yiftah, Israel 13840.

386. **Praveen Rao, V.** 2006. Banana Plantations Under Drip Fertigation. AKM Crop Growing Manual Series No. 6. AgroKnowledge Management, Agriculture Division, Netafim Ltd., Kibbutz Yiftah, Israel 13840.
387. **Praveen Rao, V.** 2006. Pomegranate Plantations Under Drip Fertigation. AKM Crop Growing Manual Series No. 7. AgroKnowledge Management, Agriculture Division, Netafim Ltd., Kibbutz Yiftah, Israel 13840.
388. **Praveen Rao, V.** 2006. Gherkins Cultivation Under Drip Fertigation. AKM Crop Growing Manual Series No. 2. AgroKnowledge Management, Agriculture Division, Netafim Ltd., Kibbutz Yiftah, Israel 13840.
389. **Praveen Rao, V.** 2006. Sericulture - Mulberry Cultivation under Drip Fertigation. AKM Crop Growing Manual Series No. 1. AgroKnowledge Management, Agriculture Division, Netafim Ltd., Kibbutz Yiftah, Israel 13840.
390. **Praveen Rao, V.** 2006. Tensiometer – An Efficient Tool for Scheduling Irrigation to Drip Irrigated Crops. AKM Crop Growing Manual Series No. 3. AgroKnowledge Management, Agriculture Division, Netafim Ltd., Kibbutz Yiftah, Israel 13840.
391. **Praveen Rao, V.** 2007. Drip Irrigated Corn *Zea mays* L. AKM Crop Fact Series No. 3. AgroKnowledge Management, Agriculture Division, Netafim Ltd., Kibbutz Yiftah, Israel 13840.
392. **Praveen Rao, V.** 2008. Drip Irrigated Cotton *Gossypium spp.* L. AKM Crop Fact Series No. 4. AgroKnowledge Management, Agriculture Division, Netafim Ltd., Kibbutz Yiftah, Israel 13840.
393. **Praveen Rao, V.** 2008. Drip Irrigated Tomato *Lycopersicon esculentum* L. AKM Crop Fact Series No. 11. AgroKnowledge Management, Agriculture Division, Netafim Ltd., Kibbutz Yiftah, Israel 13840.

## **X. Radio Talks & TV Interviews**

394. **Praveen Rao, V.** 1996. Management of wastewater through drip irrigation, Radio Talk on 5<sup>th</sup> May, 1996 for 12 minutes.
395. **Praveen Rao, V.** 2002. Drip Irrigation Technology, Live T.V. Programme in RythuMitra 14<sup>th</sup> April, 2003 for 30 minutes.
396. **Praveen Rao, V.** 2003. Andhra Pradesh Microirrigation Project and Microirrigation Technology, Live T.V. Programme in RythuMitra on 18<sup>th</sup> August, 2003 for 30 minutes.
397. **Praveen Rao, V.** 2011. Microirrigation of crops, Live T.V. Programme on 25<sup>th</sup> October 2011 for 30 minutes.
398. **Praveen Rao, V.** 2012. Water management in field and horticultural crops (Vividha pantala lo neeti yajamanyam). Live T.V. Programme on DD Rythu Nestam, Hyderabad from 6 pm to 7 pm on 17<sup>th</sup> April, 2012.
399. **Praveen Rao, V.** 2012. Water management in sugarcane (Cheraku Lo Neeti Yajamanyam). Live T.V. Programme in “Rythanna” on Maha TV, Hyderabad at 5.30 pm on 17<sup>th</sup> April, 2012.
400. **Praveen Rao, V.** 2013. Drip and sprinkler irrigation of crops. Live T.V. Programme in Annapoorna Programme of TV5 on 3<sup>rd</sup> January 2013 from 5.25 to 6.00 pm for 30 minutes.

401. **Praveen Rao, V.** 2016. PJTSAU: In the service of farmers (Interview with Vice Chancellor). Live TV Program on DD Rythu Nestam from 6 pm to 7 pm on 16<sup>th</sup> January, 2016.
402. **Praveen Rao, V.** 2017. Indian Agriculture: Progress and achievements. Live TV Program on DD Rythu Nestam from 6 pm to 7 pm on 15<sup>th</sup> August, 2017.
403. **Praveen Rao, V.** 2017. Land and Agriculture Development (Bhoomi Mariyu Vyvasaya Abhivrudhi). Live Radio Talk on All India Radio, Hyderabad from 10 to 11 am on 10<sup>th</sup> August, 2017.
404. **Praveen Rao, V.** 2018. PJTSAU: In the Service of Farmers (Rythu Seva Lo Professor Jayashankar Telangana State Agricultural University). Live Radio Talk on All India Radio, Hyderabad from 7.15 pm to 7.40 pm on 29<sup>th</sup> September, 2018.
405. **Praveen Rao, V.** 2019. Management techniques for water conservation (Prastuta paritstitulalo neeti sourakshna mariyu neeti yajamanys paddatulu). Live Radio Talk on All India Radio, Hyderabad from 7.15 pm to 7.40 pm on 30<sup>th</sup> August, 2019.
406. **Praveen Rao, V.** 2020. Cropping pattern in kharif season (Vanakalam lo pantala pranalika). Live Radio Talk on All India Radio, Hyderabad from 7.15 pm to 7.40 pm on 19<sup>th</sup> May, 2020.

## **XI. Audio Visual Aids (DVDs, Zingles, etc)**

407. **Praveen Rao, V.** 2003. DVD Film on microirrigation. Andhra Pradesh Microirrigation Project, DOH, Public Gardens, Hyderabad, India.
408. **Praveen Rao, V.** 2003. APMIP – Project Related Film 1 on “Drip irrigation” (Telugu). Andhra Pradesh Microirrigation Project, DOH, Public Gardens, Hyderabad, India.
409. **Praveen Rao, V.** 2003. APMIP – Project Related Film 2 on “Fertigation” (Telugu). Andhra Pradesh Microirrigation Project, DOH, Public Gardens, Hyderabad, India.
410. **Praveen Rao, V.** 2003. APMIP – Project Related Promotional Film 3 on “Drip use in different crops” (Telugu). Andhra Pradesh Microirrigation Project, DOH, Public Gardens, Hyderabad, India.
411. **Praveen Rao, V.** 2003. APMIP – Drip Advantages Related Film 4 on “Drip irrigates the plant not the soil” (Telugu). Andhra Pradesh Microirrigation Project, DOH, Public Gardens, Hyderabad, India.
412. **Praveen Rao, V.** 2003. APMIP – Drip Advantages Related Film 5 on “Drip saves water” (Telugu). Andhra Pradesh Microirrigation Project, DOH, Public Gardens, Hyderabad, India.
413. **Praveen Rao, V.** 2004. APMIP – Drip Advantages Related Film 6 on “Drip improves crop yield and quality” (Telugu). Andhra Pradesh Microirrigation Project, DOH, Public Gardens, Hyderabad, India.
414. **Praveen Rao, V.** 2004. APMIP – Drip irrigation Related Film 7 on “Drip enables efficient use of resources” (Telugu). Andhra Pradesh Microirrigation Project, DOH, Public Gardens, Hyderabad, India.
415. **Praveen Rao, V.** 2004. APMIP – Drip Advantages Related Film 8 on “Drip saves labour” (Telugu). Andhra Pradesh Microirrigation Project, DOH, Public Gardens, Hyderabad, India.
416. **Praveen Rao, V.** 2004. APMIP – Drip Advantages Related Film 9 on “Drip improves fertilizer use efficiency” (Telugu). Andhra Pradesh Microirrigation Project, DOH, Public Gardens, Hyderabad, India.

417. **Praveen Rao, V.** 2004. APMIP – Drip Advantages Related Film 10 on “Drip improves crops sanitation and reduces pest and disease problems” (Telugu). Andhra Pradesh Microirrigation Project, DOH, Public Gardens, Hyderabad, India.
418. **Praveen Rao, V.** 2004. APMIP – Drip Advantages Related Film 11 on “Drip – A environmental friendly technology” (Telugu). Andhra Pradesh Microirrigation Project, DOH, Public Gardens, Hyderabad, India.
419. **Praveen Rao, V.** 2004. APMIP – Drip Advantages Related Film 12 on “Drip saves power and electricity charges” (Telugu). Andhra Pradesh Microirrigation Project, DOH, Public Gardens, Hyderabad, India.

## **XII. Presentations in International & National Conferences/Seminars/Workshops**

### **A) International**

420. **Praveen Rao, V.** 2006. “Sugarcane cultivation under SDI and its effect on Thai Economy”. Invited paper presented at Agri-Financial Seminar for Sugar Industry held on April 7, 2006 at Grand Hayatt Erawan, Bangkok, Thailand.
421. **Praveen Rao, V.** 2006. “Sugarcane crops and drops – Fundamental to the Biofuel Industry”. Invited paper presented at Asia Biofuels Conference & Expo IV held from October 10 – 13 at the Great Wall Sheraton, Beijing, China.
422. **Praveen Rao, V.** 2006. “Optimal water use in semi-arid areas for substantially higher crop productivity”. Invited paper presented at Agriculture under limited water conditions Conference, Agritech 2006, Israel held from May 9 – 11, 2006 at Trade Fairs & Convention Center, Tel Aviv, Israel.
423. **Praveen Rao, V.** 2006. “Water! Can the present technologies irrigate the growing ethanol demands?”. Invited paper presented at Ethanol & Biofuels Asia 2006 Conference held from 1 – 3 November 2006 Suntec Convention and Exhibition Centre, Singapore.
424. **Praveen Rao, V.** 2007. “Sugarcane – The GHI Experience”. Invited paper presented at PHISUTECH 2007 – Philippines Sugarcane Conference held from August 16 – 17, 2007 at Waterfront Hotel, Cebu, Philippines.
425. **Praveen Rao, V.** 2007. “Low pressure drip irrigation system increases yield and water saving in field crops”. Invited paper presented at Australian National Committee on Irrigation and Drainage National Conference held from August 19<sup>th</sup> to 22<sup>nd</sup> 2007 at Bundberg, Queensland, Australia.
426. **Praveen Rao, V.** 2007. Coping with water scarcity on a regional level – The Indian case study. Invited lecture delivered on 22<sup>nd</sup> August at The Quality Inn, Bundaberg, Australia.
427. **Praveen Rao, V.** 2007. “High production sugarcane under SDI”. Invited paper presented at Sugarcane Conference held on February 10<sup>th</sup> 2007 at Karthoum, Sudan.
428. **Praveen Rao, V.** 2007. “Subsurface drip irrigation of sugarcane and banana for higher sustained production”. Invited paper presented at Sugarcane and Banana Conference held from June 18<sup>th</sup> to 25<sup>th</sup> 2007 at Davao City, Philippines.

429. **Praveen Rao, V.** 2007. “Drip irrigation – Agronomic principles and practices for field application”. Invited paper presented at Agronomists Seminar held on 6<sup>th</sup> September at Grand Hayatt Erawan, Bangkok, Thailand.
430. **Praveen Rao, V.** 2008. “Understanding the production platform for successful investments into biofuel plantations”. Invited paper presented at Agribusiness Conferences Asia 2008 held from 25<sup>th</sup> to 28<sup>th</sup> March, 2007 at Grand Hayatt, Singapore.
431. **Praveen Rao, V.** 2009. “The Indian model towards Food Security – Lessons learnt”. Key note address delivered at the Combine Congress of South African Society of Crop Production, Soil Science Society of South Africa, Southern African Society for Horticultural Sciences and Southern African Weed Science Society held from 19 to 22 January 2009 at University of Stellenbosch, Cape Town, South Africa.
432. **Praveen Rao, V.** 2012. “Israeli Technologies – Relevance to Myanmar Agriculture”. Invited lecture delivered in Myanmar Chamber of Commerce Annual Meeting organized in collaboration with CINADCO, Israel on 9 – 10<sup>th</sup> July, 2012 at Yongan, Myanmar.
433. **Praveen Rao, V.** 2016. Precision pressurized irrigation systems for higher water productivity in rice. In: Souvenir of 4<sup>th</sup> International Agronomy Congress – “Agronomy for Sustainable Management of Natural Resources, Environment, Energy and Livelihood Security to achieve Zero Hunger Challenge” (pp. 69 – 73), 22 – 26<sup>th</sup> November 2016, New Delhi, India.
434. Kumar, K.A., Satish, C., **Praveen Rao, V.**, Devi, M.U. and Ramulu, V. 2016. Drip irrigation levels influence on yield attributes, yield and water productivity of rabi sorghum (*Sorghum bicolor* (L.) Moench). In: Extended Summaries Vol. 3: 4<sup>th</sup> International Agronomy Congress – “Agronomy for Sustainable Management of Natural Resources, Environment, Energy and Livelihood Security to achieve Zero Hunger Challenge” (pp. 118 – 120), 22 – 26<sup>th</sup> November 2016, New Delhi, India.
435. Ramulu, V., Keerthana, B., **Praveen Rao, V.** and Devi, M.U. 2016. Effect of soil and climate based drip irrigation schedules on yield and water productivity of rabi maize. In: Extended Summaries Vol. 1: 4<sup>th</sup> International Agronomy Congress – “Agronomy for Sustainable Management of Natural Resources, Environment, Energy and Livelihood Security to achieve Zero Hunger Challenge” (pp. 652 – 653), 22 – 26<sup>th</sup> November 2016, New Delhi, India.
436. Ramulu, V., **Praveen Rao, V.**, Devi, M.U., Kumar, K.A. and Radhika, K. 2016. Evaluation of drip irrigation and fertigation levels in aerobic rice for higher water productivity (W.3.1.02). In: Proceedings of 2<sup>nd</sup> World Irrigation Forum (WIF2), 6 – 8 November 2016, Chang Mai, Thailand.
437. Kumar, K.A., Devi, M.U., **Praveen Rao, V.**, Ramulu, V., Narender, N. and Veni, K. 2016. Wastewater irrigation effect on rice yields in Musi river command area in India – A case study (W.3.1.14). In: Proceedings of 2<sup>nd</sup> World Irrigation Forum (WIF2), 6 – 8 November 2016, Chang Mai, Thailand.
438. **Praveen Rao, V.** 2016. Drip irrigation and fertigation management. Invited paper presented at a “Seminar and ISO IWA on Drip Irrigation” held from 29<sup>th</sup> to 5<sup>th</sup> September 2016 at SIS, Swedish Standards Institute, Stockholm, Sweden.
439. **Praveen Rao, V.** 2016. Beyond More Crop Per Drop – Opportunities to address water scarcity concerns and developmental goals in smallholder plots. Invited Speaker at the 12<sup>th</sup> Dahlia

Greidinger Symposium: “Water-Soil-Nutrients: Integrated Solutions for Assuring Global Food and Water Security” held from 29<sup>th</sup> February – 2<sup>nd</sup> March 2016 at the Technion – Israel Institute of Technology, Haifa, Israel.

440. Kumar, K.A., Ramanjaneyulu, A.V., Ramulu, V., and **Praveen Rao, V.** 2017. Microirrigation for food security and improving water productivity. In: Souvenir of 3<sup>rd</sup> International Conference on Bioresource and Stress Management held from 8 – 11<sup>th</sup> November 2017 at Jaipur, Rajasthan, India.
441. **Praveen Rao, V.** 2017. TSMIP – Experiences. International Seminar of Global Climate Change – Implications for Agriculture and Water Sectors held from 14 – 16<sup>th</sup> December, 2017 at Aurangabad, Maharashtra, India.
442. **Praveen Rao, V.** 2018. Microirrigation for sustained agricultural production and water security. Invited Speaker at World Telangana Convention organized by American Telangana Association on 30<sup>th</sup> June, 2018 at George R Brown Convention Centre, Houston, Texas, USA.
443. **Praveen Rao, V.** 2018. Telangana State Microirrigation Project: A Special Purpose Vehicle For Natural Resource Management & Enhancing Smallholders Incomes. Paper presented at ASABE Global Water Conference for Agriculture and Natural Resources, 3 – 6<sup>th</sup> October, 2018, Hyderabad, Telangana State, India

### **XIII. Presentations in International & National Conferences/Seminars/Workshops**

444. Reddy, K.A., Reddy, D.R., **Praveen Rao, V.**, Joseph, B. and Reddy, B.B. 1987. Crop production strategies under changing situation in Nizamsagar ayacut. In: Proceedings of Seminar on “Changing situations need alternate cropping pattern under Nizamsagar Project” held on 23<sup>rd</sup> April, 1987 at Nizamabad, Andhra Pradesh.
445. Devi, K.B.S. and **Praveen Rao, V.** 2000. Response of groundnut (*Arachis hypogaea* L.) to deficit water supply at different crop growth sub-periods. Paper presented at National Seminar on “Oilseeds and Oils – Research and Development Needs in the Millennium” held from 2 – 4<sup>th</sup> February, 2000 at DOR, Rajendranagar, Hyderabad, Andhra Pradesh, India.
446. **Praveen Rao, V.** 2001. Drip irrigation and fertigation in jojoba plantations (AJORP) Rajasthan. In: Proceedings of National Seminar on Jojoba held on 19<sup>th</sup> & 20<sup>th</sup> February, 2001 at Jaipur, Rajasthan, India.
447. Kumar, B.V. and **Praveen Rao, V.** 2001. “Plant water relations as influenced by evapotranspiration deficits”. Paper presented at National Seminar on “Role of Plant physiology for sustaining quality and quantity of food production in relation to environment” held from 5 – 7 December 2001 at Bangalore, Karnataka, India.
448. Kumar, B.V. and **Praveen Rao, V.** 2002. Estimation and use of water production function of Sunflower and Mustard to minimize yield and profit losses. Paper presented at National Seminar on Sustainable Management of Water resources for enhanced Agricultural production, held from 26 – 28 October, 2002 at KonkankrishiVidyapeeth, Dapoli, Maharashtra.
449. **Praveen Rao, V.** 2003. “Drip Fertigation & Irrigation scheduling in Pomegranate”. Theory and skill-oriented lectures (3 no.) delivered during September and October, 2003 for Pomegranate

Farmers of Somalapuram & L.B. Nagar, Anantapur District organized by IIHR, Bangalore and DOH, Hyderabad, Andhra Pradesh, India.

450. **Praveen Rao, V.** 2003. "Microirrigation Technology for Horticulture crops". Invited lecture delivered on 8<sup>th</sup> & 9<sup>th</sup> March, 2003 for the Officers of Horticulture Department of 22 districts of Andhra Pradesh at Horticulture Training Institute, Red Hills, Hyderabad.
451. **Praveen Rao, V.** 2003. "Drip & Sprinkler irrigation for Agriculture crops". Invited lecture delivered on 12<sup>th</sup>, 13<sup>th</sup> & 14<sup>th</sup> March 2003 for Cotton Officers of Agriculture Department of 22 districts of Andhra Pradesh at SAMETI, Malakpet, Hyderabad.
452. **Praveen Rao, V.** 2003. "Drip irrigation in Mulberry crop". Invited lecture delivered on 15<sup>th</sup> & 16<sup>th</sup> March 2003 for Officers of Sericulture Department of 22 districts of Andhra Pradesh at SAMETI, Malakpet, Hyderabad.
453. **Praveen Rao, V.** 2003. "Drip irrigation in Sugarcane crop" Invited lecture delivered on 17<sup>th</sup> & 18<sup>th</sup> March, 2003 for Officers of Sugars Department of 16 districts of Andhra Pradesh at SAMETI, Malakpet, Hyderabad.
454. **Praveen Rao, V.** 2003. "Principles & Practices of Microirrigation". Invited lecture delivered on 29<sup>th</sup> March, 2003 for Project Officers, Integrated Tribal Development Agency of 6 districts of Andhra Pradesh at Horticulture Training Institute, Red Hills, Hyderabad.
455. **Praveen Rao, V.** 2003. "Relevance of Microirrigation to Andhra Pradesh". Invited lecture delivered on 10<sup>th</sup> & 11<sup>th</sup> March, 2003 for Project Directors, DWMA of 22 districts of Andhra Pradesh in Microirrigation Technology at MCR HRD Institute, Jubilee Hills, Hyderabad.
456. Hemalatha, S., **Praveen Rao, V.** and Reddy, B.N. 2003. Performance of sunflower (*Helianthus annuus*) – groundnut (*Arachis hypogaea*) crop sequence under variable irrigation and phosphorus levels. Paper presented at National Seminar on "Stress management in oilseeds for attaining self-reliance in vegetable oils" held from 28 – 30<sup>th</sup> January 2003 at DOR, Rajendranagar, Hyderabad, Andhra Pradesh, India.
457. Hemalatha, S. and **Praveen Rao, V.** 2004. Influence of direct and residual effect of phosphorus in sunflower – groundnut cropping sequence on yield, economics and soil fertility. Paper presented at National Seminar on "Resource management for Sustainable Agriculture" held from 28 – 30<sup>th</sup> January, Bapatla, Andhra Pradesh, India.
458. Hemalatha, S., **Praveen Rao, V.** and Reddy, B.N. 2007. Crop production function and economic returns of sunflower at optimum level of phosphorus. Paper presented at a National Seminar on "Changing Global Vegetables Scenario: Issues and Challenges before India" held from 29 – 31<sup>st</sup> January 2007 at DOR, Rajendranagar, Hyderabad, Andhra Pradesh.
459. **Praveen Rao, V.** and Rao, C.L.N. 2008. Techno-Economic feasibility analysis of drip irrigation in oil palm plantations. Paper presented at National Conference on "Oil Palm for Farmers Prosperity and Edible Oil Security" held from 2 – 4<sup>th</sup> 2008 at Hotel Fortune Murali Park, Vijayawada, Andhra Pradesh, India.
460. **Praveen Rao, V.** 2009. "Microirrigation & fertigation – Its relevance to Andhra Pradesh". Invited lecture delivered on 17<sup>th</sup> & 18<sup>th</sup> November, 2009 for IFFCO Field Officers in In-service Training Programme for Andhra Pradesh organized by IFFCO at NIRD, Rajendranagar, Hyderabad.

461. **Praveen Rao, V.** 2009. "Subsurface drip irrigation of sugarcane for sustainable higher cane productivity". Invited lecture delivered on 25<sup>th</sup> July 2009 at National level Seminar on "Subsurface drip irrigation for high production sugarcane & mechanization" organized by Netafim & APMIP at Blue Fox Minerva, Hyderabad, India.
462. **Praveen Rao, V.** 2009. "Crop water requirement & irrigation scheduling to drip and sprinkler irrigated crops under lift irrigation schemes". Invited lecture delivered on 23<sup>rd</sup> September 2009 for CADA Engineers & Agricultures Officers organized by WALAMTARI at Hyderabad, Andhra Pradesh.
463. **Praveen Rao, V.** 2009. "Microirrigation & Fertigation – Principles and practices". Invited lecture delivered on 5<sup>th</sup> November 2009 for CADA Engineers & Agricultures Officers organized by WALAMTARI at Hyderabad, Andhra Pradesh.
464. **Praveen Rao, V.** 2009. "Microirrigation of Crops". Invited lecture delivered on 21<sup>st</sup> March 2009 at a training programme on "Scaling up of water productivity in agriculture for livelihoods through teaching-cum-demonstration training for trainers and farmers" organized by ARS, Kampsagar, ANGRAU.
465. **Praveen Rao, V.** 2009. "Planning, design and evaluation of sprinkler and drip irrigation systems". Invited lecture delivered on 16<sup>th</sup> June, 2009 for Development Officers of various Northern States of India at ESCI, Gachibowli, Hyderabad, India (vide ref. letter no. 22720/Ser. II/A1/2009 dated 16-6-2009 of Registrar).
466. **Praveen Rao, V.** 2009. "Microirrigation & Fertigation – Principles & Practices". Invited lecture delivered on 27<sup>th</sup> & 28<sup>th</sup> July, 2009 for District Water Management Agency (Andhra Pradesh Microirrigation Project) – Project Directors & Assistant Project Directors of 22 districts of Andhra Pradesh at MCHRD Institute, Government of Andhra Pradesh, Hyderabad.
467. **Praveen Rao, V.** 2009. "Fertigation of crops – Principles, Equipment & Field application". Invited lecture delivered on 19<sup>th</sup> November 2009 for CADA Engineers & Agricultures Officers organized by WALAMTARI at Hyderabad, Andhra Pradesh.
468. **Praveen Rao, V.** 2009. "Recent developments in water management for oilseed crops". Invited lecture delivered on 16<sup>th</sup> February, 2009 at a Training course on "Improved production technology on oilseeds" organized by Seed Research & Technology Centre, ANGRAU, Rajendranagar, Hyderabad.
469. **Praveen Rao, V.** 2009. "Drip irrigation and Fertigation of crops". Invited lecture delivered on 1<sup>st</sup> January 2009 at a training programme on "Scaling up of water productivity in agriculture for livelihoods through teaching-cum-demonstration training for trainers and farmers" organized by WTC, Rajendranagar, ANGRAU, Hyderabad.
470. **Praveen Rao, V.** 2009. Microfertigation of horticultural crops for sustained productivity in Andhra Pradesh. Paper presented at a Regional Workshop on "Water use efficiency and Water Quality Issues in Andhra Pradesh" organized by Central Ground Water Board, Southern region on 13<sup>th</sup> and 14<sup>th</sup> March at Hyderabad, Andhra Pradesh, India.
471. **Praveen Rao, V.** 2010. "Fertigation for maximization of benefits through microirrigation systems". Invited lecture delivered on 22<sup>nd</sup> February, 2010 for Agricultural Scientists of several states in a

Summer School on “Enhancing Water Productivity in Agriculture” organized by Water Technology Centre, Rajendranagar, Hyderabad, Andhra Pradesh.

472. **Praveen Rao, V.** 2010. “Microirrigation and Fertigation in Agriculture”. Invited lecture delivered on 28<sup>th</sup> September, 2010 for the Officers of Development Departments of Southern States of India in the workshop on “Promotion of mechanization for profitable agriculture” organized by Extension Education Institute, Rajendranagar, Hyderabad.
473. **Praveen, Rao, V.** 2010. “Microfertigation – A Precision Farming Technology”. Invited lecture delivered on 3<sup>th</sup> March, 2010 for the Officers of Development Departments of Southern States of India in the workshop on “Precision Farming for Better Productivity” organized by Extension Education Institute, Rajendranagar, Hyderabad.
474. **Praveen Rao, V.** 2010. “Research results of IFFCO experiments 2008 – 2010”. Invited lecture presented at XV IFFCO Chair Professors Conference held from 25<sup>th</sup> to 26<sup>th</sup> September 2010, Jaipur, Rajasthan, India.
475. **Praveen Rao, V.** 2010. “Fertigation in Field Crops”. Invited lecture delivered on 5<sup>th</sup> March, 2010 for Farmers in “Scaling up of water productivity in Agriculture for livelihoods through teaching-cum demonstration” Training Programme organized by Regional Agricultural Research Station, Warangal, Andhra Pradesh.
476. **Praveen Rao, V.** 2010. “Water management and microfertigation in Commercial Crops for Sustained Productivity”. Invited lecture delivered on 10<sup>th</sup> March, 2010 for Agriculture Department Officers of Orissa Government in “Integrated Nutrient Management of Commercial crops for Sustained Productivity” Training Programme organized by Extension Education Institute, Rajendranagar.
477. **Praveen Rao, V.** 2010. “Soil water plant relationships, ETo and crop water requirement”. Invited lecture delivered on 30<sup>th</sup> June 2010 for AEEs of Irrigation & CADA organized by WALAMTARI at Hyderabad, Andhra Pradesh.
478. **Praveen Rao, V.** 2011. “Water management in vegetables”. Invited guest lecture delivered on 22<sup>nd</sup> June 2011 at a Training course on “AESA Based PHM in Vegetables” organized by National Institute of Plant Health Management, Government of India, Rajendranagar, Hyderabad.
479. **Praveen Rao, V.** 2011. “Microirrigation in vegetables”. Invited guest lecture delivered on 22<sup>nd</sup> June 2011 at a Training course on “AESA Based PHM in Vegetables” organized by National Institute of Plant Health Management, Government of India, Rajendranagar, Hyderabad.
480. **Praveen Rao, V.** 2011. “Microfertigation – A precision farming technology”. Invited lecture delivered on 5<sup>th</sup> January, 2011 for the officers of Development Departments of Southern states in a workshop on “Promotion of precision farming for better productivity” organized by Extension Education Institute, Rajendranagar.
481. **Praveen Rao, V.** 2011. “Fertigation in field crops”. Invited lecture delivered on 5<sup>th</sup> March, 2010 for Farmers in “Scaling up of water productivity in Agriculture for livelihoods through teaching-cum demonstration” Training Programme organized by Regional Agricultural Research Station, Warangal, Andhra Pradesh.

482. **Praveen Rao, V.** 2012. “Microirrigation and fertigation techniques for enhancing water productivity and fertilizer use efficiency”. Invited presentation delivered on 4<sup>th</sup> December 2012 in a workshop on “Strengthening cooperatives in Andhra Pradesh” organized by IFFCO Foundation (3 – 4<sup>th</sup> December 2012) at Hotel Golkonda, Hyderabad.
483. **Praveen Rao, V.** 2012. Drip and sprinkler irrigation systems for productive water use in rice production. Invited presentation delivered at ICAR Sponsored short course on “Water Management and Water Saving Technologies in Rice” held from 30<sup>th</sup> October to 8<sup>th</sup> November, 2012 at Directorate of Rice Research, Rajendranagar, Hyderabad, Andhra Pradesh, India.
484. **Praveen Rao, V.** 2012. Efficient water management practices in major crops. Invited presentation delivered at Induction Course to newly recruited Project Programme Promoters, APWSIP (NSP Modernisation Scheme) held from 24<sup>th</sup> to 25<sup>th</sup> July 2012 at SAMETHI, Hyderabad, Andhra Pradesh, India.
485. **Praveen Rao, V.** 2013. “International developments in microirrigation”. Invited presentation delivered on 11<sup>th</sup> September, 2013 in “Recent advances in microirrigation and fertigation” Training Programme organized by Directorate of crop management, TNAU, Coimbatore, India.
486. **Praveen Rao, V.** 2013. Drip irrigation and fertigation scheduling in rice. Invited presentation delivered at International research Conference on “Drip Fertigation in Rice” held from 17<sup>th</sup> to 19<sup>th</sup> October 2013 at Tamilnadu Agricultural University, Coimbatore, Tamilnadu, India.
487. Kadasiddappa, M., **Praveen Rao, V.**, Reddy, K.Y. and Tirupataiah, K. 2013. In: Proceedings of the National Groundwater Conference 2013 (NGWC - 2013) on “ Problems, Challenges and Management of Groundwater in Agriculture” held from 9<sup>th</sup> to 11<sup>th</sup> December 2013 at WTC, Tamilnadu Agricultural University, Coimbatore, India.
488. **Praveen Rao, V.** 2013. Drip irrigation for protection of natural resources and sustained crop productivity. Invited presentation delivered at International Seminar on “Fertigation and Automation” held from 13<sup>th</sup> to 14<sup>th</sup> August 2013 at International Horticulture Innovation and Training Centre, Durgapura, Jaipur, Rajasthan, India.
489. Kumar, K.A., Narender, N., Reddy, M.D., Devi, M.U., Ramulu, V., **Praveen Rao, V.** and Raghavaiah, R. 2014. Irrigation performance assessment of Left Bank Canal, Nagarjuna Sagar Project, Andhra Pradesh using remote sensing and GIS. Paper presented at 2<sup>nd</sup> International Conference on “Agricultural & Horticultural Sciences” held from 3<sup>rd</sup> to 5<sup>th</sup> February 2014 at Radisson Blu Plaza Hotel, Hyderabad, Andhra Pradesh, India.
490. Kumar, K.A., Raghavaiah, R., Devi, M.U., Ramulu, V., Mani, A., **Praveen Rao, V.** and Reddy, M.D. 2014. Water management initiatives for enhancing agricultural water productivity in Telangana State. Paper presented at National Workshop on “Climate Change & Water – Improving Water Use Efficiency” held from 13<sup>th</sup> to 14<sup>th</sup> November 2014 at WALAMTARI, Rajendranagar, Hyderabad, Telangana State, India.
491. **Praveen Rao, V.** 2014. “Drip irrigation and fertigation scheduling in rice”. Invited presentation delivered at India International Rice Conference organized by Indian Chamber of Commerce on “Strengthening of Rice Production & Productivity for Food Security” during 21<sup>st</sup> & 22<sup>nd</sup> August 2014 at Hotel Hindusthan International, Kolkata, West Bengal, India.

492. **Praveen Rao, V.** 2015. Evaluation of drip fertigation in aerobic rice. Paper presented at a National Seminar on “Water Management & Climate Smart Agriculture” held from 13<sup>th</sup> to 14<sup>th</sup> February 2015 at Junagadh Agricultural University, Junagadh, Gujarat, India.
493. Kadasiddappa, M., **Praveen Rao, V.**, Reddy, K.Y., Ramulu, V., Devi, M.U. and Reddy, S.N. 2016. Growth, yield and water productivity of drip irrigated maize (*Zea mays* L.) in southern Peninsular region of India. Poster presentation at International Conference on “Climate Change, Water, Agriculture and Food security” held from 2 – 3<sup>rd</sup> November 2016 at ICRISAT, Hyderabad, Telangana State, India.
494. Kumar, K.A., Satish, C., **Praveen Rao, V.** and Devi, M.U. 2016. Yield and economics of drip irrigated rabi sorghum (*Sorghum bicolor* (L.) Moench) in Telangana. Paper presented in National Conference on “Innovative and Current Advances in Agriculture & Allied Sciences (ICAAAS - 2016)” held during 10<sup>th</sup> – 11<sup>th</sup> December, 2016 at PJTSAU, Hyderabad, Telangana State, India.
495. **Praveen Rao, V.** 2018. Microirrigation National Conference on Intensification and Diversification in Agriculture for Livelihood and Rural Development held from 28 – 31<sup>st</sup> May 2018 at DRPCA, Pusa, Samastipur, Bihar, India.
496. **Praveen Rao, V.** 2021. “Valuing water in agriculture” – Delivered lecture on March 22, World Water Day – 2021 at ICAR – Indian Institute of Rice Research, Rajendranagar, Hyderabad.
497. Praveen Rao, V. 2023. “Indian Agriculture: Challenges, Achievements and Transformative Solutions for developing Sustainable Food Systems” – Delivered Special Lecture at RIS IFPRI Capacity Building Programme held on 17<sup>th</sup> February 2023, Puducherry.
498. Praveen Rao, V. 2023. “Agricultural Water Management: Challenges and Practical Solutions For Developing Sustainable Food Systems”. Dr. Jayashankar Memorial Lecture delivered at Seventh Annual Conference of Telangana Economic Association held on 11<sup>th</sup> & 12<sup>th</sup> February, 2023. Council For Social Development, Rajendranagar, Hyderabad, Telangana State, India.
499. **Praveen Rao, V.** 2024. “Dynamism in Agriculture: Emerging Technologies and Future Farming” - Delivered Special Lecture at RIS IFPRI Capacity Building Programme 2023 – 24: BIMSTEC Regional Agriculture Trade Analysis held on 19<sup>th</sup> February 2024 at Dr. B.R. Ambedkar School of Economic University, Bengaluru, Karnataka.
500. **Praveen Rao, V.** 2025. Delivered Presentation on “Agronomical interventions in drip irrigated sugarcane for higher productivity, profitability and environmental security” in two day National Conference on “Integrated Sugarcane Management Under Netafim Drip Fertigation and Automation” held on 21<sup>st</sup> February, 2025 at Pune, Maharashtra, India.

## **XII. Participation / Lectures delivered in Rythusadassu**

501. **Praveen Rao, V.** 2009. Participated and delivered lecture on “Fertigation practices and irrigation scheduling in drip irrigated sugarcane” in Rythusadassu organized by KCP Sugar Mills, Vyuuur, Krishna District in Andhra Pradesh on 2<sup>nd</sup> and 3<sup>rd</sup> July, 2009 (vide ref. memo no. 23678/Res. II (3)/2009 dated 26-6-2009 of DR, ANGRAU).

502. **Praveen Rao, V.** 2009. Participated and delivered a lecture on “Microirrigation & fertigation – Its relevance to Andhra Pradesh” in In-service Training Programme for Andhra Pradesh IFFCO Field organized by IFFCO on 17<sup>th</sup> and 18<sup>th</sup> November, 2009 at NIRD, Rajendranagar, Hyderabad.
503. **Praveen Rao, V.** 2010. Delivered lecture on “Microfertigation of Vegetable Crops” in Rythusaddassu organized by IFFCO at Rangapeta, Nallabelly Mandal, Warangal district in Andhra Pradesh on 21<sup>st</sup> February, 2010.
504. **Praveen Rao, V.** 2010. Delivered lecture on “Drip irrigation and fertigation scheduling in crops” in Rythusaddassu organized by IFFCO at Mulkanoor Cooperative Rural Bank & Marketing Society, Karimnagar district in Andhra Pradesh on 11<sup>th</sup> March, 2010.
505. **Praveen Rao, V.** 2010. Delivered lecture on “Water management and Drip irrigation in sugarcane” in Rythusaddassu at M/s. Nava Bharat Ventures Limited, Sugar Division, Samalkot on 30<sup>th</sup> September 2010.