All India Co-ordinated Research Project on (Sunflower)

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Technologies/ Patents developed/Varieties released, Technologies included under Package of Practices of University

1) Integrated management of late blight of tomato

Project operated as PI

1)Sustainable management of rice root-knot nematode, *Meloidogyne graminicola* using silicon and its race variation studies'
2)Evaluation of the bio-efficacy of Sofia against powdery mildew and anthracnose disease in grapes
3) Bio-efficacy evaluation of Dimethomorph 50% WP on grapes
4) Bio-efficacy datageneration on Metalaxyl M 31.*%ES on chilli, mustard, sunflower and tomato crops
5) Bio-efficacy, phytotoxicity of Ipovalicarb 8.4% + Copper oxychloride 40.6% WG 49 against grape downy mildew

Project operated as Co-PI

1)Promotion of Integrated Farming System for Sustainable Livelihoods of Framing Community (Funded by RKVY, GoK, Bangalore)
2)Mass production and popularisation of Bio-control agents for the management of pests and diseases of crops
3) Revalidation of Package of practices of Sunflower of UAS Bengaluru

Trainings Undertaken (National & International)

1)Refresher course in Nematology
2)Refresher course on Bioagents
3)Indian Women Empowerment & Leadership Summit
4)Personality development to post graduate faculty
5) Winning Research Project Proposal

Publication (Research paper, review paper, book and book chapter)

1. **Manjula, C. P.,**Ravichandra, N. G.and Bommalinga, S., 2015, Management of root-knot nematode (*Meloidogyne incognita*) in Black pepper (*Piper nigrum*L.) using biological agents. *J. Soil Biol. & Ecol.,***35**:272-277.
2. **Manjula, C. P.** and Ravichandra, N. G., 2016. Management of root-knot nematode (*Meloidogyne incognita*) infesting pomegranate (*Punicagranatum* L.) in organic farming system. *J. Soil Biol. Ecol.*, **36**: 150-158
3. Prasanna Kumar, M. K., **Manjula, C. P.** and Atheek Ur Rehman, 2016, Managing blast and udbhatta diseases in rice by seed treatment. *Indian J. Pl. Prot.*, **44** (1): 104-109
4. **Manjula, C. P.**, Prasanna Kumar, M. K. and JahirBasha, 2017, Studies on variations among prevailing races of *Xanthomonasvesicatoria*causing bacterial spot on tomato in Karnataka. *J. Mycopathol. Res.*, **54** (4): 503-510
5. Manjunath, B.,**Manjula, C. P.,**JahirBasha, C. R., Srinivasappa, K. N. and ManjunathGowda, 2017, Assessment on management of late blight in tomato incited by *Phytophthorainfestans. Intl. J. Pl. Prot.,***10**(2): 349-353
6. Prasannakumar, M. K., Amruta, N., **Manjula, C. P.,**Puneeth, M. E. and KalavathiTeli, 2017, Characterisation, screening and selection of *Bacillus subtilis*isolates for itsbiocontrol efficiency against major rice diseases. *Biocontrol. Sci. Tech.,* http://dxdoi.org/10.1080/09583157.2017.1323323
7. Umashankar Kumar N., Ravichandra N.G., Umashanker N., Nataraja A. and **Manjula C.P.,** 2017, Association of plant parasitic nematodes with black pepper in Kodagu district. *J. Soil Biol. Ecol*., 37: 181-186
8. Ravichandra, N.G. and **Manjula, C.P.,** 2018. Diseases of crossandra and their management. Pg. 61-69. *In*:**Diseases of ornamentals crops**. V. Devappa, Dinesh Singh and S. Jahagirdar (Edts.). Today &Tomorrow's Printers and Publishers, New Delhi, 333 pp.
9. Ravichandra, N.G., Ravindra, H. and **Manjula, C.P.,** 2018. Nematode problems in Karnatak. Pg. 180-198. *In*:**Nematode problems of crops in India**. R. K. Walia and Pranjib Kumar Chakrabarty (Edts.). M.S.Printers Printers and Publishers, PC Cell, IARI, New Delhi, 402 pp.