

1. Personnel Correlates of Pradhan Mantri Krishi Sinchayee Yojana on its beneficiaries and non-beneficiaries.

Pratik Aniruddha Sakhare, V. V.Tayde, S. L. Chandgude, J. M. Deshmukh. (p. 1-8)

2. Mangrove cover estimation in Gorai creek, Mumbai, west coast of India from 1990 to 2021: a decadal analysis for resource identification and conservation.

Sudhan, C*, Sanjenbam Bidyasagar Singh, Sreekanth, G.B, Geetanjali Deshmukhe, Binay Bhusan Nayak, Ashok Kumar Jaiswar*

3. Vermicompost preparation from SMS changes the bio molecules in wheat provided defence response against *Bipolaris sorokiniana* (Sacc.) Causes Spot blotch pathogen (p. 19-35).

Shivam Kumar, S. K. Biswas, Saurabh Kumar, Mukesh Kumar, Kishan Lal and Naimish Kumar

4. Optimization process for development of fiber enriched shrikhand (p. 36-47)

Zine. P.L., Londhe. G. K*. and Kamble N.S*

5. Potential of the entomopathogenic nematode, *Heterorhabditis indica* in managing the *Spodoptera frugiperda*.

Swati P. Shinde*, V. K. Biradar, D.B. Ingole, N.V. Lavhe, Pragati R. Jawake (p. 48-55)

6. Comparative analysis of profit efficiency of farm households under livestock-based farming systems in saline and normal areas of west bengal using stochastic frontier approach (p. 56-69)

Arghyadeep Das, Raju, R.*, R Malhotra, Ajmer Singh, Sanjit Maiti, Rakesh Kumar, Subhasis Mandal, Neela Madhav Patnaik

7. Graft compatibility among three muskmelon varieties (cucumis melo L.) Grafted on pumpkin, bottle gourd and sponge gourd in kharif season 2021 (p.70-77).

T. Shirisha, Dr. V. R. Joshi, Dr. D. B. Kshirsagar Dr. B. B. Dhakare, D. D. Patil and Dr. K. N. Dahatonde

8. Estimation of diet breadth and population dynamics of Pleurostict Scarabaeid beetles native to mid- Himalayan regions of Uttarakhand, India (p. 78-94)

Nutan Danu, Amit Paschapur*, Johnson Stanley, Avupati Raja Naga Satya Subbanna, Jaiprakash Gupta, Ila Bisht.

9. Genetic analysis for fertility restoration for the a1 and a4 cytoplasmic genetic male sterility system in pearl millet Ppennisetum glaucum L.).

Patel V., Tripathi M.K., Shrivastava R.K., Tiwari S., Chauhan S., Pandya R.K., Makwana K., Tripathi N. and Satyavathi C.T.

10. Efficiency of fermented sunflower meal as an alternate protein source in the diet of larval rohu(Labeorohita).

Padala Dharmakar, S. Aanand*, J. Stephen Sampath Kumar, Muralidhar P. Ande, P. Padmavathyand J. Jaculine Pereira. (p. 105-115).

11. Preying prospect of stink bug, *Alcaeorrhynchus grandis* against pod borer complex in pigeonpea, *Cajanus cajan* (L) millsp and insecticidal toxicity effect.

Sundar Pal, Yogendra Kumar Mishra, Pradeep Kumar, Arvind Parmar, David Chela Baskar, and Abhishek Kumar (p. 113-126).

12. Land resource characterization, classification, and appraisal based on high-resolution satellite data and gis: ghatpipariya village in seoni district, Madhya Pradesh

Ingle S. N., Priya Sudhakar Gadge* Gawali- K. A., Nagmote A. V. and Nagaraju M. S. S. (p. 127-139).

13. Attitude of the shrimp farmers towards private extension services (pes) in Andhra Pradesh

Deepthi Ande*, N.V. Sujath kumar, G. Aruloli, M. Rajkumar, V. Rani and O.Sudhakar (p. 140-161)

14. Study on Bio-Physical Impacts, Hydrological Effects, Agricultural and Socio-Economic Indicators in the LND Peta Project of West Godavari District, Andhra Pradesh, India.

P. Venkataram Muni Reddy, Kona. Sasidhar, C.P. Reddy, R.V. Sagar Kumar Reddy, B. Janardhan Reddy, R.V. Ramana, D.V.S.R.L. Rekha, K. Veerabhadra Rao. (p. 162-173).

15. Microclimate: diurnal relative humidity variation inside crop canopy of pearl millet

Amit Singh*, M.L. Khichar, Jagdeep Singh, Mamta¹, Rahul and Bittu Ram. (p. 174-187).

16. Combining ability analysis for anaerobic germination traits, yield and its contributing traits in rice (*Oryza sativa* L.)

E. Umarani*, V. Hemalatha, L.V. Subbarao, C.N. Neeraja, Suneetha K and S. Narender Reddy. (p. 188-197)

17. Physiology and Biochemistry of Fruit ripening: A Review

Pabitra Kumar Ghosh*, Jui Ray, Anish Choudhury, Suprakash Ghosh and Dharmadas Kalindi (p. 198-204)

18. Effect of modified clay mineral and redmud on arsenic uptake and biomass in mustard.

Siyaram Meena, Kapil A. Chobhe*, S.P. Datta, K.M. Manjaiah, Debasish Golui. (p. 205-210)

19. Coinoculation of endophytic diazotroph with pgpr and am fungi for enhancing sugarcane production.

Jamuna Elumalai, Srividhya Srinivasan, Ananthi Krishnan & S. Thiruvarassan (p. 212-220)

20. Effects of integrated pest management module and farmer's practices on the incidence of yellow stem borer, *scirpophaga incertulas* and rice leaf folder, *cnaphalocrocis medinalis* in rice agro-ecosystem in bihar

Mohammad Abbas Ahmad, Rajeev Ranjan, Vijay Kumar, Deepak Kumar Mahanta Nilanjaya, Mithilesh Kumar Singh Vipin Kumar, Rajesh Kumar Ranjan and Biswajit Pramanick (p. 221-228).

21. Molecular characterization of chickpea genotypes against *helicoverpa armigera* by using ssr molecular markers.

Pankaj Kumar, Mohammad Abbas Ahmad*, Deepak Kumar Mahanta, Ranjeet Kumar and Sandeep Kumar Suman (p. 229-236).

22. Cloning and characterization of Ferulate 5 hydroxylase (F5H) gene involved in phenylpropanoid pathway of *Erianthus* species

Lakshmi Kasirajan*, Keerthana Kamaraj, Rabisha Valiyaparambth, Sheelamary Sebastiar, Jijo Joise, Gadha Aajith, and Deepthi Vijayan

23. Optimization of Finger Millet Based Weaning Food

Shashi Kumar, C. S*, Basavabharati, Priyatam Reddy, K, R. Prabha and D.B Puranik (p. 245-251)

24. ICT based real time pest surveillance for assessment of field level pest change scenario in sapota (*Manilkara Zapota*) orchards of Maharashtra, India. (p.252-267)

Niranjan Singh, Devaramane Raghavendra*, Kurubarahalli Bhoothanna Ramesh and Subhash Chander

25. Economic Analysis on Willingness to Pay for Jhansi Fort: An Evidence from Uttar Pradesh.

V.David Chella Baskar Kavitha Sooraj Sana Sundar Pal Kumaravelu (p.268-275)

26. Environmental quality strategies for Agro forestry ecosystem in the Northwestern Zone of Tamil Nadu.

R.Sangeetha V.David Chella Baskar & N.Suganthi and V.Karthick. (p. 276-284)

27. Impact Assessment of the Gemmili Watershed Activities on Land Use Land Cover and NDVI using Remote Sensing and GIS Techniques.

P. Venkataram Muni Reddy, Kona. Sasidhar, C.P. Reddy, R.V. Sagar Kumar Reddy, B. Janardhan Reddy, R.V. Ramana, D.V.S.R.L. Rekha, K. Veerabhadra Rao. (p.285-290).

28. Optimization of Iron Enriched Extruded Snacks for Anemic People Using Response Surface Methodology (RSM).

Shraddha Bhople, Mohan Singh, Devendra Kumar Verma and Anay Rawat. (p. 291-298).

29. Genome editing platforms in rice (*oryza sativa* l.): basic methodology and troubleshooting.

Diksha Kumari, Bishun Deo Prasad*, Padmanabh Dwivedi and Sangita Sahni. (p. 299-312).**

30. Effect of integrated nutrient management on seed yield and quality of brown sarson (*Brassica campestris* var. brown sarson) under mid hill conditions of Himachal Pradesh.

Arshia Mandial*, R K Kataria. (p. 313-318)

31. Morphological diversity analysis of Foxtail Millet (*Sateria Italica* (L.) Beauv.) using Qualitative and Quantitative traits.

Kiran Makwana, Sushma Tiwari*, M.K. Tripathi and Vinod Patel. (p.319-326)

32. Effect of copper nanoparticles on growth and cultural characteristics of *Trichoderma Viride*. (p.327-339)

Pankaj B. Deore*, Navgire K. D., Ambadkar C. V., Apet K. T., Gholve V. M., Badgujar S. L., Varala Krishnaveni

33. Pedogenic distribution of manganese in clay fraction of paddy and associated non-paddy soils of assam.

Shraddha Mohanty*, R.M. Karmakar, R.K. Nayak, Bandita Jena, Jyotirmayee Das. (p.340-346)

34. Benefit-cost ratio analysis of *pleurotusdjamor* mushrooms using different substrates.

ShaziaPaswal and Sardar Singh Kakraliya. (p. 347-352)

35. Survey of Myceliophagous nematodes associated with commercially cultivated of button mushroom (*Agaricus bisporus*) in Jammu region.

Sardar Singh Kakraliya* and Shazia Paswal. (p. 353-357)

36. Indigenous guides and bio-indicators as integral components of agricultural production system in Meghalaya, India.

Rymbai R, Makdoh B, Nongbri B, Rymbai D, Mawlein J, (p. 358-369)

37. Genetic analysis of Rabi onion (*Allium cepa*) genotypes based on quantitative and qualitative characters.

Tarique Aslam, Swamini Bhoi*, Shubhashree Priyadarshini Das, Tapan Kumar Maity (p. 370-377)

38. Nutritional value of sorghum. (p. 378-381)

***Sristi Shikha, S Santhosh Krishna and Kavita Bhadu.**

39. Evaluation of promising genotypes of pigeonpea against dry rootrot caused by *Rhizoctonia bataticola* (Taub.) Butler and stem canker caused by *Macrophominaphaseolina* (Tassi) Goid].

***G. Vamsi Krishna, Jaya Lakshmi, S. K, Aswathanarayana, D. S, Amaresh, Y. S and Muniswamy, S (p. 382-388)**

40. Removed due to technical errors.

41. In vitro and in vivo effectiveness of fungicides against pod rot of mungbean caused by *Fusarium equiseti* and *Fusarium chlamydosporum*.

Harwinder Singh Buttar*, Amarjit Singh, Asmita Sirari and Anupam (p. 394-403)

42. EFFECT OF PHOSPHORUS AND ZINC FERTILIZERS ON NUTRIENT UPTAKE AND YIELD OF SORGHUM GROWN IN CLAY LOAM SOIL

P. Spandana, I. Usha Rani*, P.A. Visalkashmi, A. Lalitha Kumari (p. 404-409)

43. Studies of Phenotypic Variability, Heritability and Genetic Advance of Seed Yield attributing traits in Okra [*Abelmoschus esculentus* (L) Moench] grown during Summer.

Mukesh Kumar* and Prabir Chakraborti (p. 410-416)

44. The new introduction of Kharif Chickpea for vegetable-pulses cultivation in semi-arid regions of India.

Pawan Kumar Mohanty^{1,2}, R. Shiv Ramakrishnan¹, B. C. Mamatha², R. K. Samaiah¹, K.R. Soren³, Jagadish Rane², Sanket J. More⁴, Ashish Kumar¹ and Gurumurthy S2*. (p. 417-426)

45. A comparative study of water quality and water quality index for the godavari river water at East and west Godavari districts, Andhra Pradesh, India.

N. Veerabhadra Rao, P. Jawahar, N. Jayakumar, N. V. Sujathkumar, V. Rani, Ramesh Rathod (p.427-437).

46. Effect of zinc and silica solubilizing microorganisms and their consortia on enzyme activity, yield and yield attributes on paddy under pot culture

S. Vinod Babu*, A. Vijaya Gopal, N. Trimurtulu, G. Kishore Babu and S. L. Bhattiprolu (p. 438-451)

47. Impact of foliar spray of thiourea on growth attributes of two cultivars of soybean. (p. 452-459).

Deepak Kumar Meena* , Dr. R. K. Sharma, Dr. Ajay Kumar, Dr. Amit Bhatnagar, Akshay Glotra, Shital Kumar.

48. Influence of fermented organic manure on yield and quality parameter of sweet basil (*Ocimum basilicum*).

Rahul Yadav, Rakesh Dawar, Deepak Kumar Meena*, Sunita T. Pandey (p.460-467).

49. Development of forewarning models and influence of weather parameters on leaf spot (*Cercospora* spp.) of groundnut (*Arachis hypogaea* l.) on different groundnut varieties under various sowing environment

***Wankhede SY, Kharbade SB, Hasabnis SN, Sthool V. A. Jadhav J. D. (p. 468-480)**

50. Divergence studies in gladiolus (*Gladiolus grandiflora* l.) genotypes.

Vinutha, D. B*, Sateesh R. Patil., Pavan Kumar, P., Seetharamu, G. K., Satish, D., Mahesh, Y. S. and Waseem, M. A. (p. 482-489).

51. Microclimate Diurnal temperature variation inside crop canopy of Pearl millet.

Amit Singh*, M.L. Khichar, Jagdeep Singh, Mamta, Rahul and Bittu Ram (p. 490-502)

52. Quantification of cry1ac and cry2ab protein on different plant parts of bt cotton variety nhh-44.

Matre Y.B, Zanwar, P.R, Sarukh, P.L. (p. 503-507)

53. Biology of bivoltine silkworm hybrids on G2 mulberry variety on different parameters of various bivoltine silkworm (*Bombyx mori* L.) hybrids.

P. Y. Ingole, M.M. Sonkamble and Y.B. Matre C.B. Latpate (p. 508-514)

54. Effect of improved nutrition and improved shelter on serum cholestrol and serum triglyceride of magra lambs in two lambing seasons under arid zone

T. Bothra*, A.K. Patel, Vijay Kumar, H.K. Narula, D. Jain and Umesh Kumar Prajapat. (p. 515-520)

55. A study on the effect of insecticides on resurgence of red spider mite, *Tetranychus macfarlanei* baker and pritchard on okra.

Archana N. Borkar*, Peddi Likhitha, A. V. Kolhe, D. B. Undirwade. (p. 521-527)

56. Weather based forewarning models for Yellow Stem Borer (*Scirpophaga incertulas*) population in Rice using Negative Binomial, Zero Inflated Negative Binomial Regression and Artificial Neural Network (ANN). (p. 528-539)

K.Gurucharan*, P.Lavanya Kumari, Sk.Nafeez Umar ,E.S.V.Narayana Rao, I. Paramasiva and P.N. Harathi

57. Studies on assessing the biochemical attributes from trees in high-density plantations.

A.S. Goveanthan*, M.P. Sugumaran, C. Bhuvaneshwaran and C. Indhu Parameshwari (p. 540-546)

58. Evaluation of native strains of *Pseudomonas* and *Bacillus* sps. for management of blast disease in finger millet (p. 547-554)

T.M.Hemalatha, L. Madhavalatha, M.Hemanth Kumar, M. Shanti Priya, B.Vajantha, R sarada Jayalakshmi.

59. Evaluation of chrysanthemum (*Dendranthema x grandiflora* Tzvelev) for growth, flowering and resistance to white rust disease (*Puccinia horiana* Henn).

Parvathi Bennurmam, Rajiv Kumar*, S. Sriram and Anamika Gurung. (p. 555-560)

60. Optimization of process technology for popping of sorghum of parbhani jyoti variety. (p. 561-575.)

R. A. Gosavi*, S. U.khodke.

61. Evaluating response of chickpea genotypes for resisting *Helicoverpa armigera* (Hub.) throughout growing season and correlating with yield parameter

Udavant R N, Bantewad S D, Tupe A P. (p. 576-585)

62. Bio-efficacy of tank-mix post-emergence broad spectrum herbicides for weed management in soybean.

Surya Prakash Sharma, Anay Rawat*, Ashish Singh Ashish Tiwari and Princy Jain. (p. 586-598).

63. Field screening of different brinjal varieties under agro-climatic conditions of Varanasi against vegetable mite, *Tetranychus neocaledonicus*.

Pushpa Singh, R. N Singh and Md. Abbas Ahmad. (p. 599-605).

64. Impacts of seaweed incorporation on the nutritional, structural, colour and textural properties of edible cone.

K. Sravani*, P. Ganesan, S. Balasundari, N. Muralidharan, B. Chrisolite, K. Dhanapal. (607-613).

65. Effect of freezing and thawing time on mass transfer and loss of shrinkage of osmo-convectively dehydrated carrot slices

T D Kumavat, P G More* (p. 614-618)

66. Relational analysis between profile of farmers following organic practices with their attitude towards organic farming.

Shital M. Londhe* and Kadam R. P. (p. 619-627)