

9.10 List of publications

1. Sunita Chauhan; S. M. Wasnik (2020)
Farm women empowerment through use of Drudgery reduction tools, Interdisciplinary National Conference on Recent Innovation in Agri-Bioscience in strengthening the Indian economy: Challenges and prospects and farmers meet (RIABSCIECP-2020) pp-72. Feb 2020.
2. Processing of Fruits and Vegetables: Profitable Enterprise. (Author- Smt. Sunita Chouhan, SMS (Horticulture), Editor -Dr. S. M. Wasnik, Principal Scientist (Agri. Ext.) & Head KVK, ICAR-CICR, Nagpur Publisher- Dr. V. N. Waghmare, Director, ICAR-CICR, Nagpur)
3. Value addition of Custard Apple. (Author- Smt. Sunita Chouhan, SMS (Horticulture), Editor -Dr. S. M. Wasnik, Principal Scientist (Agri. Ext.) & Head KVK, ICAR-CICR, Nagpur Publisher-

- Dr. V. N. Waghmare, Director, ICAR-CICR, Nagpur)
4. Dr. S.M. Wasnik, Shri. K.I. Chaple and Dr. S.S.Patil. Techniques of Bt. cotton cultivation, '**Krushji Jagran**' Special issue June 2020, pp: 22-29.
 5. Dr. S.M. Wasnik, Shri. K.I. Chaple and Dr. S.S. Patil. Irrigation management in cotton crop, '**Agrowan**' Special issue July 15th 2020, pp: 14.
 6. Dr. S.M. Wasnik, Shri. K.I. Chaple, and Dr. S.S. Patil. Pheromone traps for integrated pest management, '**Agrowan**' Special issue July 17th 2020, pp: 11.
 7. Dr. S.M. Wasnik, Shri. K.I. Chaple, and Dr. S.S. Patil. Types of pheromone traps and their crop wise used, '**Agrowan**' Special issue July 18th 2020, pp: 14.
 8. Dr. S.M. Wasnik, Shri. K.I. Chaple and Dr. S.S. Patil. Identification of Bio-pesticides and fertilizers, '**Krushji Jagran**' Special issue July 2020, pp: 20-23.
 9. Dr. S.S. Patil and Shri. K.I. Chaple. Major Sucking pest on Cotton and their management, '**Krushakonnati**', Special issue Aug 18th 2020, pp:10
 10. Dr. S.S. Patil and Shri. K.I. Chaple. Pink bollworm management on Cotton, '**Krushakonnati**', Special issue September 1st 2020, pp:11
- Hawamanacha Andaj.* Deshonnati: Krushak Jagar: 05th October, 2020.
5. S. Y. Wankhede, S. M. Wasnik, P. S. Gayakwad. 2020. *Hawaman Aadharit Krushi Vyavasthapanasathi Meghdoot App Tharanar Shetakaryansathi Waradan.* Krushakonnati: 06th October, 2020.
 6. S. Y. Wankhede, S. M. Wasnik, P. S. Gayakwad. 2020. *Hawaman Aadharit Krushi Vyavasthapanasathi Meghdoot App Tharanar Shetakaryansathi Waradan.* Krushakonnati: 13th October, 2020.
 7. S. Y. Wankhede, S. M. Wasnik, P. S. Gayakwad. 2020. *Gharabaheer Asatana Vijechea Dhoka Kami Karanyasathi Suchana.* Krushakonnati: 20th October, 2020.

Radio Talks (AIR, Nagpur):

- ❖ Dr. P.B. Deulkar delivered radio talk on "Cultivation of hybrid Napier for nutritious fodder" on 22/01/2020 and broadcasted on 03/02/2020 at 7.30 pm on "Maz Ghar Maz Vavar Programme".
- ❖ Dr. S. M. Wasnik, PS & Head KVK, ICAR-CICR, Nagpur, delivered On-line Radio Talk on May 29, 2020 on KVK Nagpur & CICR Technologies for farmers in coming Kharip Season.
- ❖ Dr. S M Wasnik, PS & Head KVK, ICAR-CICR, Nagpur, delivered TV talk Micro Enterprises Programme for Farmers on March 11, 2020 through Sahyadri Vahini of Doordarshan Kendra, Mumbai.

Popular article:

1. S. M. Wasnik, S. Y. Wankhede, P. S. Gayakwad. 2020. *Meghdoot: Hawaman Aadharit Vyavasthapanasathi Mobile App.* Krushakonnati: 29th April, 2020.
2. S. M. Wasnik, S. Y. Wankhede. 2020. *Pikachya Kadhani ani Malani Kalat Corona Pratibandhak Margadarshak Suchana.* Krushakonnati: 29th April, 2020.
3. S. M. Wasnik, S. Y. Wankhede. 2020. *Corona mule Lockdown Chya Shetakari Bandhavanni Ghyavayachi Kalaji.* Krushakonnati: 29th April, 2020.
4. S. Y. Wankhede, S. M. Wasnik, P. S. Gayakwad. 2020. *Meghdoot Sangel*

Agricultural Technology Information Centre

The Agriculture Technology Information Centre (ATIC) was established at ICAR-Central Institute for Cotton Research, Nagpur during **2001**, as a '**single window support system**' to make available all the information to the farmers under one roof. ATIC acts as single window system to allow optimistic interaction between farmers and scientist for effective technology transfer and livelihood improvement.

Services provided by ATIC

- Diagnostic services for soil and plant testing.
- Diagnosis of plant/animal/crop problems.
- Supply technology products such as cotton seed and other planting materials, livestock breeds, process products etc. emerging from the institution and ICAR-CICR, KVK for testing and adaptation.
- Sale of publications and communication materials produce by the research organization.

A. Details on ATIC

Sr. No.	Name of the ATIC	Name of the Host Institute	Year of establishment	Name of the ATIC Incharge
1	ATIC (Central Institute for Cotton Research) Nagpur	ICAR-Central Institute for Cotton Research, Nagpur (Maharashtra)	2001	Dr. S. M. Wasnik , Principal Scientist, Agri. Extension & Head KVK CICR, Nagpur Phone: 9423680707

B. Facilities available in the ATIC

Sr. No.	Particulars	Number available
1	Reception counter	01
2	Sales counter	01
3	Weather based agro advisory	01
4	Training hall	02
5	Museum	01
6	Intercom facility	01

C. Farmers / Extension Personnel / Stakeholders Visits:

During the period under report, a total of 1693 farmers, 302 extension personnel and 504 other stakeholders visited ATIC. Altogether, 2459 persons visited the ATIC, out of which, 962 visited for information and 432 visited for technology products.

Communication with Stakeholders:

A total of 2412 farmers contacted ATIC through various means of communication like phone calls, video shows, emails, webinars and participation in training.

D. Publication:

Under publications, 04 books, 40 technical bulletins, 04 Folders and -- DVDs were produced and provided to the ATIC visitors or those requested by mail. Totally, 950 farmers

and other stakeholders were benefited by these publications and documents.

E. Technology Services Provided:

During the reporting period, 495 soil and plant samples were tested at institute.

F. Technology Products Provided:

Among different technology products, 7.34 quintals of cotton seeds, 36,900 number of planting material (fodder), sale of 30 Osmanabadi Goats, worth of Rs.1.63 lakh, Rs. 0.36 lakh and Rs. 2.02 lakh respectively were provided to farmers.

G. Revenue Generated:

An amount of Rs. 4.26 lakh was generated through various technology products/publications and services provided through ATIC.

LIST OF PUBLICATIONS AVAILABLE FOR SALE THROUGH ATIC

Sr. No.	Name of Bulletin /Publication	CICR Bulletin No.	Price (Rs).
1	Aboitic Stresses in Cotton: A Physiological Approach (in English)	2	25=00
2	Naturally Coloured Cotton (in English)	4	25=00
3	Wild and cultivated Species of Cotton (in English)	5	100=00
4	Nutrient Management in Rainfed Cotton (in English)	6	25=00
5	An Evolving Systems Approach of IPM in Cotton :Perception and prescription (in English)	9	25=00
6	Cotton Biotechnology (in English)	10	40=00
7	Glanded and Glandless Cotton (in English)	12	25=00
8	Cotton Varieties and Hybrids (in English)	13	40=00
9	Breeding Hybrid Cotton (in English)	14	40=00
10	Use of Rainfall Analysis in the Planning and Management Of Rainfed Cotton (in English)	15	40=00
11	Cotton Genome Mapping For Crop Improvement	16	50=00
12	Biotechnological Approaches for Cotton Improvement	17	50=00
13	Training, Consultancy, Contract Research and Contract Service in Cotton Production: An Information Brochure	18A	50=00
14	Constraints to Cotton Production in India	19	25=00
15	Mechanization of Cotton Production in India	20A	40=00
16	Genetic Improvement of cotton seed oil	21	25=00
17	Nematode infested seed and planting Material: Denematization and salving Techniques	20	50=00
18	Technology Transfer in Cotton	23	25=00
19	Male Sterility In Cotton	24	25=00
20	पराजीवी बीटी कपास (मराठी)	25	20=00
21	Cotton Seed Oil Quality, Utilization and Processing	25A	25=00
22	Genetic Enhancement in Cotton	26	25=00
23	Plant Parasitic Nematodes of Cotton-farmer's hidden enemy	27	25=00
24	Physiological Disorders in Cotton	28	50=00
25	Mirco –Irrigation Management in Cotton	31	60=00
26	Epitome of Agro –Meteorology : Nagpur (1916-2002)	32	50=00
27	Rainwater Management Techniques for Cotton Based Cropping System.	33	50=00
28	Twenty five years Achievements in Cotton Pathology At CICR (1976-2001)	33A	50=00
29	Cotton – March Towards New Millennium	33B	100=00
30	उस्मानाबादी शेळी	----	5=00
31	शेळ्यासाठी पौष्टिक हिरवा चारा लसूनघास	-----	5=00
32	Identification of sources of Resistance to Gray mildew disease (Ramularia Areola) in diploid cotton Gossypium arboreum	34	40=00
33	Bharat Mein kapas Anusandhan and vikas (in Hindi)	34A	350=00
34	Fibre Quality Traits of G.Arboreum Germplasm	35	100=00
35	Fibre Quality Traits of G.herbaceum Germplasm	36	100=00

36	Nector Glands in Gossypium	37	50=00
37	कपाशीवरील मिलीबगचे व्यवस्थापन	-----	10=00
38	कपास मे मिलीबग का प्रकोप और इसका प्रबंधन	----	10=00
39	Compendium of Cotton Mealybugs (English)	2011/1	50=00
40	Handbook of Cotton Plant Health (English)	Book	200=00
41	कपाशीवरील किडी व रोगांचे प्रभावी व्यवस्थापन (मराठी)	-----	60=00
42	Crop Growth Calender for Rainfed Cotton Pest Management (English)	-----	10=00
43	कापूस पिकात एकात्मिक किड व्यवस्थापनातील नूतन संशोधन (मराठी)	-----	60=00
44	कपास के नाषीकीटो का प्रभावी प्रबंधन (हिंदी)	Folder	5=00
45	कपाशीवरील गुलाबी बोंडअळी व्यवस्थापन (मराठी)	-----	10=00
46	Cotton: Integrated pest, Diseases and Nematode Managent (English)	1/2019	70=00
47	कपास : नाशीजीव , रोग एवं सूत्रकृमि का समेकित प्रबंधन	2/2019	70=00
48	कापूस : किडी , रोग व सूत्रकृमिचे एकात्मिक व्यवस्थापन	3/219	70=00

**Note: Mode of payment through Cheque, RTGS/NEFT in favour of ICAR Unit, CICR, Nagpur.
Account No. 11072609110, IFSC Code-SBIN0001633 SBI, Ramdaspath, Nagpur -440012.**

Contact : Dr.P. B. Deulkar (Mob.No.9657726508), ATIC Manager, CICR, Nagpur

10. GENERAL

10.1: List of Publications

10.1.1 Research Papers

10.1.1.1 Research papers (NAAS rating > 6)

1. Abdelmoghny AM, Raghavendra KP, Sheeba Annie J, Santosh HB, Meshram Jayant, Singh Suman Bala, Kranthi KR, Waghmare VN. (2020). Morpho-physiological and molecular characterization of drought tolerance traits in *Gossypium hirsutum* genotypes under drought stress. *Physiology and Molecular Biology of Plants*, 26(12), 2339-2353. (NAAS rating:7.54)
2. Asha Bharti, Prasanna R, Velmourougane K, Kumar Arun, Shivay YS, Lata Nain. (2020). Development of Nutrient-Rich Media Through Cyanobacterial Amendment and Their Characterization. *Waste and Biomass Valorization*, 11: 6003-6016. (NAAS rating:8.36)
3. Biswas KK, Bhattacharyya UK, Palchoudhury S, Balram N, Kumar A, Arora R, Sain SK, Kumar P, Khetarpal RK, Sanyal A, Mandal PK. (2020). Dominance of recombinant cotton leaf curl Multan-Rajasthan virus associated with cotton leaf curl disease outbreak in northwest India. *PLoS ONE*, 15(4): e0231886. <https://doi.org/10.1371/journal.pone.0231886>. (NAAS rating:8.78)
4. Blaise D, Kranthi KR, Ravindran CD and Thalal K. (2020). High plant density can improve productivity of Asiatic cotton (*Gossypium arboreum* L.). *Archives of Agronomy and Soil Science*, <https://doi.org/10.1080/03650340.2020.1741553>. (NAAS rating:7.68)
5. Blaise D, Manikandan A, Verma P, Nayalini P, Chakraborty M, Kranthi KR. (2020). Allelopathic intercrops and its mulch as an integrated weed management strategy for rainfed Bt-transgenic cotton hybrids. *Crop Protection*, 135: 105214. (NAAS rating:8.17)
6. Bhargavi Bussa, Behera Umakant. (2020). Securing the livelihood of small and marginal farmers by diversifying farming systems. *Current Science*, VOL. 119 (5), Page 854-860. (NAAS rating:6.76)
7. Kanjana D. (2020). Foliar application of magnesium oxide nanoparticles on nutrient element concentrations, growth, physiological, and yield parameters of cotton. *Journal of Plant Nutrition*, DOI: 10.1080/01904167.2020.1799001. (NAAS rating:6.75)
8. Das Anup, Basavaraj Savita, Layek Jayanta, Ramkrushna G I, Lal Rattan, Krishnappa R, Yadav G S, Babu Subhash, Ghosh P K and Ngachan S V. (2020). Can conservation tillage and residue management enhance energy use efficiency and sustainability of rice-pea system in the Eastern Himalayas?. *Archives of Agronomy and Soil Science*, 66(6): 830-846. (NAAS rating:7.68)
9. Pande Rachna. (2020). Study on biology of tea bunch caterpillar *Andraca bipunctata* on alternative host plant *Eurya acuminata* of Meghalaya. *Journal of Environmental Biology*, 41 782-787. (NAAS rating:6.56)
10. Fand BB, Amala U, Yadav DS, Rathi R, Mhaske SH, Upadhyay A, Shabeer ATP, Kumbhar DS. (2020). Bacterial volatiles from mealybug honeydew exhibit kairomonal activity towards solitary endoparasitoid *Anagyrus dactylopii*. *Journal of Pest Science*, 93: 195-206. (NAAS rating: 11.13)
11. Fand BB, Nagrare VS, Deshmukh V, Naikwadi BV, Gokte-Narkhedkar N, Waghmare VN. (2020). A simple and low-cost laboratory rearing technique

- for cotton pink bollworm, *Pectinophora gossypiella* (Suanders) (Lepidoptera: Gelechiidae) using detached green bolls of cotton. *Phytoparasitica*, 48 (1): 25-33. (NAAS rating:7.02)
12. Hiremani NS, Verma P, Gawande SP, Sain SK, Nagrale DT, Salunkhe VN, Shah V, Gokte-Narkhedkar N, Waghmare VN. (2020). Antagonistic potential and phylogeny of culturable endophytic fungi isolated from desi cotton (*Gossypium arboreum* L.). *South African Journal of Botany*, <https://doi.org/10.1016/j.sajb.2020.03.0>. (NAAS rating:7.5)
 13. Sethi Khushboo, Siwach Priyanka, Verma Surender Kumar. (2017). Linkage disequilibrium and Association Mapping of fiber quality traits in elite Asiatic Cotton (*Gossypium arboreum* L.) germplasm populations". *Czech Journal of Genetics and Plant Breeding*, doi:10.17221/142/2016-CJGPB. (NAAS rating:6.65)
 14. Kumari Arti, Kumar R R, Singh Jyoti Prakash, Verma Pooja, Singh Gyanendra P, Chinnusamy Viswanathan, Praveen Shelly, Goswami Suneha. (2020). Characterization of the starch synthase under terminal heat stress and its effect on grain quality of wheat. *3 Biotech*, 10.1007/s13205-020-02527-4. (NAAS rating:7.79)
 15. Laneesha M, Suroshe Sachin S, Fand Babasaheb B and Shankarganesh K. (2020). Papaya mealybug, *Paracoccus marginatus* (Hemiptera: Pseudococcidae): A new threat to agri-horticulture ecosystem. *Indian Journal of Agricultural Sciences*, 90:3,455-62. (NAAS rating:6.25)
 16. Manivannan A. (2020). Analysis of multi-environment yield trails of clusterbean [*Cyamopsis tetragonoloba* (L.) Taub.] genotypes using GGE biplot. *Legume Research*, 43(5): 698-701. (NAAS rating:6.34)
 17. Nagrale DT, Gawande SP, Hiremani NS, Gokte-Narkhedkar N. (2020). Occurrence and pathogenicity of *Enterobacter* sp. causing sprout decay and seedling stunting of upland cotton (*Gossypium hirsutum* L.). *Journal of Phytopathology*, 168(7-8):391-398. <https://doi.org/10.1111/jph.12903>. (NAAS rating=7.1). (NAAS rating:7.1)
 18. Nagrale DT, Gawande SP, Gokte-Narkhedkar N, Waghmare VN. (2020). Association of phytopathogenic *Pantoea dispersa* inner boll rot of cotton (*Gossypium hirsutum* L.) in Maharashtra state, India. *European Journal of Plant Pathology*, 158, 251-260. <https://doi.org/10.1007/s10658-020-02071-0> (NAAS rating:7.74)
 19. Peddu H, Fand BB, Sawai HR, Lave NV. (2020). Estimation and validation of developmental thresholds and thermal requirements for cotton pink bollworm *Pectinophora gossypiella*. *Crop Protection*, 127: 104984. DOI: <https://doi.org/10.1016/j.cropro.2019.104984>. (NAAS rating:8.17)
 20. Verma Pooja, Venugopalan MV, Blaise D and Waghmare VN. (2020). Ethylene mediated regulation of fiber development in Asiatic cotton (*Gossypium arboreum* L.). *South African Journal of Botany*, 135:349-354 <https://doi.org/10.1016/j.sajb.2020.09.014>. (NAAS rating:7.5)
 21. Prabhulinga T, Kranthi Sandhya, Raghavendra K P, Kumar Rishi, Suke Ruchika, Chawla Shilpa and Kranthi Keshav Raj. (2020). Mitochondrial COI based genetic diversity and phylogeographic structure of whitefly *Bemisia tabaci* (Gennadius) on cotton in India. *International Journal of Tropical Insect Science*, <https://doi.org/10.1007/s42690-020-00354-x>. (NAAS rating:6.85)
 22. Raghavendra KP, Kumar R, Das J, Santosh HB, More SA, Ramakrishna N, Chawla SG, Kranthi S, Kranthi KR. (2020). Quantitative real-time PCR based evaluation and validation of reference genes in *Gossypium arboreum*. *Indian Journal of Agricultural Sciences*, 90(1): 40-47. (NAAS rating:6.25)
 23. Rishi Kumar, Kranthi S, Prasad Rao GMV, Desai H, Bheemanna H,

- Dharajothi B, Choudhary Alka & Kranthi K R. (2020). Assessment of bollworm damage and yield loss in seed blends of Bollgard-II with corresponding Non-Bt hybrid as 'built in refuge' in cotton. *Phytoparasitica*, <https://doi.org/10.1007/s12600-020-00846-z>. (NAAS rating:7.02)
24. Rishi Kumar, D. Monga, V. Chinna Babu Naik, Paramjit Singh and V.N. Waghmare. (2020). Incipient infestations and threat of pink bollworm *Pectinophora gossypiella* (Saunders) on Bollgard-II cotton in north cotton growing zone of India. *Current Science*, 118(9) 1454-56. (NAAS rating:6.76)
25. Savitha S and Sreenivasa MN. (2019). Molecular characterization of native pink pigmented facultative methylotrophs of chilli and their induced systemic resistance mechanism in management of anthracnose. *Journal of Environmental Biology*, <http://doi.org/10.22438/jeb/41/6/MRN-1362>. (NAAS rating:6.56)
26. Salunkhe V N, Gawande S P, Gokte-Narkhedkar N, Nagrale D T, Hiremani N S, Waghmare V N. (2020). First report of *Colletotrichum siamense* causing leaf anthracnose on cotton in India. *Plant Disease*, 104(7), <https://doi.org/10.1094/PDIS-09-19-1992-PDN>. (NAAS rating:9.58)
27. Shah Vivek, Pande Rachna, Verma Pooja, Gokte-Narkhedkar Nandini and Waghmare Vijay N. (2020). Identification of oviposition deterrents from pink bollworm, *Pectinophora gossypiella* (Saunders). *Journal of Environmental Biology*, Vol. 41: 644-649. (NAAS rating:6.56)
28. Shankarganesh K, Selvi C and Karpagam C. (2020). Effects of thermal stress on the antioxidant defenses in *Paracoccus marginatus* Williams and Granara de Willink (Homoptera: Pseudococcidae) parasitized by *Acerophagus papayae* Noyes & Schauff (Encyrtidae: Hymenoptera)". *International Journal of Tropical Insect Science*, <http://link.springer.com/article/10.1007/s42690-020-00222-8>. (NAAS rating:6.85)
29. Kumar Vijay, Kular Jagdev Singh, Kumar Rishi, Sidhu Sukhdev Singh and Chhuneja Pardeep Kumar. (2020). Integrated whitefly [*Bemisia tabaci* (Gennadius)] management in Bt-cotton in North India: an agro ecosystem-wide community-based approach. *Current Science*, VOL. 119, NO. 4, 618-24. (NAAS rating:6.76)
30. Desouza ND, Blaise D. (2020). Impact of aerosols on deep convective clouds using integrated 6 remote sensing techniques. *Air Quality, Atmosphere and Health*, [10.1007/s11869-020-00838-2](https://doi.org/10.1007/s11869-020-00838-2). (NAAS rating:8.87)

10.1.1.2 Research papers published by the Institute's scientists NAAS rating < 6

1. Sampath Kumar, Eraivan Arutkani Aiyathan A K, Nakkeeran S and Manickam S. (2020). Validation of Screening Technique for Cotton Bacterial Blight Resistance under Controlled Condition. *Current Journal of Applied Science and Technology*, 39(7): 138-145. (NAAS rating:5.32)
2. Agarwal Isabella. (2020). Impact analysis of global shift in cotton trade on Indian cotton scenario. *Journal of Cotton Research and Development*, p.157-164. (NAAS rating:4.69)
3. Agarwal Isabella and Narala Anuradha. (2020). Comparing Predictive Accuracy Through Price Forecasting Models in Cotton. *Journal of Cotton Research and Development*, 34(1):146-157. (NAAS rating:4.69)
4. Narala Anuradha and Usha Rani S. (2020). Women in Cotton Farming in Vidarbha Region of Maharashtra. *Indian Journal of Extension Education*, 56(2):1-6. (NAAS rating:5.32)
5. Baghyalakshmi K, Jeyaprakash P, Ramchander S, Raveendran M and Robin S. (2020). Two dimensional in-vitro phenotyping of root system architecture using Poly Ethylene Glycol

- in backcross inbred lines harboring drought tolerant QTLs of rice (*Oryza sativa* L.). *Electronic Journal of Plant Breeding*, 11(2):335-345. (NAAS rating:4.97)
6. Baghyalakshmi K, Ramchander S, Raveendran M and Jeyaprakash. (2020). Unravelling of Osmotic genes involved in Drought tolerance in Backcross inbred lines of rice (*Oryza sativa* L.) cultivars. *Research journal of Biotechnology*, Vol. No.15 (7) 52-60.. (NAAS rating:5)
 7. Baghyalakshmi K, Shaik M, Mohanrao M, Shaw R, Lavanya C, Manjunatha T and Senthilvel S. (2020). Development and characterization of tetraploid castor plants. *Plant Genetic Resources: Characterization and Utilization*, doi:10.1017/S1479262120000039. (NAAS rating:5.12)
 8. Balasubramani G, Raghavendra KP, Amudha J, Patil B R and Waghmare VN. (2020). Expression analysis of genes associated with secondary cell wall biosynthesis in cotton (*Gossypium hirsutum* L.). *Plant Cell Biotechnology and Molecular Biology*, 21(45&46):103-114; 2020 ISSN: 0972-2025. (NAAS rating:4.31)
 9. Deborah Anne Kitty D, Balasubramani Ganesan and Waghmare VN. (2020). Identification of Green Tissue Specific Genes in Cotton Employing Transcriptome Sequencing. *Int. J. Curr. Microbiol. App. Sci*, 9(10): doi: <https://doi.org/10.20546/ijcmas.2020.9.10.xx>. (NAAS rating:5.38)
 10. Kanjana D. (2020). Evaluation of Foliar Application of Different Types of Nanofertilizers on Growth, Yield and Quality Parameters and Nutrient Concentration of Cotton under Irrigated Condition. *International Journal of Current Microbiology and Applied Sciences*, 9(7): 429-441. (NAAS rating:5.38)
 11. Deepika M, Asokhan M and Usha Rani S. (2020). Knowledge Level of ELS cotton growers in Vellore District - An Analysis. *Journal of Cotton Research and Development*, 34(1): 129-134. (NAAS rating:4.69)
 12. Sahu DK, Manikandan A, Blaise D, Shukla PK. (2020). Identification of Relationship among Exogenous NaCl with Cotton Leaves on Cation Uptake, Nutrient Ratios and Status in Rhizosphere Soil. *Chemical Science Review and Letters*, 9(36): 956-965. (NAAS rating:5.21)
 13. Pande Rachna. (2020). Wax moths and their parasitoid *Apanteles galleriae* wilkinson from mid-hills of Meghalaya. *Indian Journal of Entomology*, 82(4):771-776. (NAAS rating:5.89)
 14. Dhamayanthi KPM, Rameash K, Manivannan A, Annie Sheeba J and Abirami S. (2020). Studies on leaf hairiness and sucking pest resistance in Egyptian cotton (*Gossypium barbadense* L.). *Journal of Entomology and Zoology Studies*, 8(1): 591-594. (NAAS rating:5.53)
 15. Nagrare VS, Naik Chinna Babu V, Naikwadi Bhausahab Vithoba and Gokte Narkhedkar Nandini. (2020). Spatio- temporal diversity of natural enemies of mealybug infesting cotton in Central India. *Journal of Applied Zoological Researches*, 8(5), pp.2031-2037. <https://www.entomoljournal.com/search/?q=VS+Nagrare+>. (NAAS rating:4.22)
 16. Tuteja OP and Verma S K. (2017). Estimation of Economic Heterosis for Seed Cotton Yield components and Fibre Traits of American cotton (*Gossypium hirsutum*). *Cotton Research Journal ISCI*, 8(2):42-45. (NAAS rating:3.45)
 17. Palve S M, Mandhyan P K, Waghmare V N and Kate N. (2019). Analysis of fibre quality in a *Gossypium hirsutum* × *G. barbadense* backcross introgression population. *Cotton Research Journal*, 10(1): 16-20. (NAAS rating:3.45)
 18. Palve S M, Waghmare V N and Kate N. (2019). Genetic variation for harvest index in upland cotton (*G. hirsutum* L.). *Cotton Research Journal*, 10(1)): 10-15. (NAAS rating:3.45)

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