

List of research papers published from 01.04.2020 to 31.07.2022

Papers between 4-6 NAAS rating		
1	Patle D, Awasthi MK, Sharma SK and Tiwari YK. 2022. Application of Geoinformatics with frequency ratio (FR) model to delineate different groundwater potential zones in Ken Basin, India. Indian Journal of Ecology. 49(2):313-323.	5.79
2	Trivedi A and Awasthi MK. 2021. Runoff estimation by integration of GIS and SCS-CN method for Kanari River Watershed. Indian Journal of Ecology 48(6): 1635-1640.	5.79
3	Suman S, Sharma A and Trivedi A. 2020. Bioactive phytochemicals in rice bran: processing and functional properties: a review. International Journal of Current Microbiology and Applied Sciences Special Issue-11:2954-2960.	5.38
4	Gautam VK, Awasthi MK. 2020. Evaluation of water resources demand and supply for the districts of central Narmada valley zone. International Journal of Current Microbiology and Applied Sciences. 9(2):3043-3050.	5.38
5	Trivedi A, Pyasi SK, Galkate RV and Gautam VK. 2020. A Case Study of rainfall runoff modelling for Shipra River Basin. International Journal of Current Microbiology and Applied Sciences Special Issue-11:3027-3043.	5.38
6	Singh SK, Tripathi SK, Mishra KP, Pandya AK and Awasthi MK. 2020. Water quality evaluation for drinking purpose of Rewa Block, district-Rewa, Madhya Pradesh, India. International Journal of Chemical Studies 8(2): 2473-2480	5.31
7	Gautam VK, Awasthi MK and Trivedi A. 2020. Optimum allocation of water and land resource for maximizing farm income of Jabalpur District, Madhya Pradesh. International Journal of Environment and Climate Change 10(12):224-232.	5.29
8	Rao JH, Sharma SK, Awasthi MK, Pyasi SK and Pandey SK. 2022. Land use land cover classification of Burhner river watershed using remote sensing and GIS technique. International Journal of Environment and Climate Change, 12(7): 119-132.	5.13
9	Rao JH, Sharma SK, Awasthi MK, Pyasi SK and Pandey SK. 2021. Morphometric analysis of Burhner river watershed using remote sensing and GIS technique. International Journal of Agriculture, Environment and Biotechnology, 14(04): 585-599.	4.54
10	Nigam A, Awasthi MK and Bunkar N. 2020. Assessment of groundwater potential zones of tons basin using spatial data.	4.69

	International Journal of Agriculture, Environment and Biotechnology, 13(3):261-268.	
11	Awasthi MK and Patle D. 2020. Reweigh Temperature as Estimator for Evaluation and Prediction. Current Journal of Applied Science and Technology. 39(43):66-71. DOI:10.9734/CJAST/2020/v39i4331141	5.38
12	Pawar PS, Rawat U, Yadav A, Rajput A, Vasht D. and Nema S. 2020 Long Term Trend Analysis of Rainfall, Rainy Days and Drought for Sindh River Basin, Madhya Pradesh, India. Int. J.Curr. Microbiol. App. Sci. 2020.9(12):2738-2749	5.38
13	Awasthi MK and Patle D. (2020). Trend Analysis of Ground Water Recharge in Tikamgarh district of Bundelkhand using Geospatial Technology. International Journal of Chemical Studies. Special Issue. 8(4):417-420.	5.31
14	Trivedi A and Awasthi MK. A Review on River Revival. 2020. International Journal of Environment and Climate Change 10(12): 202-210.; Article no.IJECC.61385. ISSN: 2581-8627.	5.13
15	Patle D, Rao JH and Dubey S. 2020. Morphometric Analysis and Prioritization of Sub-Watersheds in Nahra Watershed of Balaghat District, Madhya Pradesh: A Remote Sensing and GIS Perspective. Journal of Experimental Biology and Agricultural Sciences. 8(4):447-455.	5.07
16	Rawat U, Yadav A, Pawar PS, Rajput A, Vasht D and S. Nema.2021. Wheat Crop Acreage Estimation Based on Remote Sensing and GIS in Jabalpur (Madhya Pradesh, India) Asian Journal of Agricultural Extension, Economics & Sociology 39(2): 88-94, 2021; Article no. AJAEES.65961	4.86
17	Rajput A, Rawat U, Yadav A, Pawar PS, Vasht D. 2021. Hydrological Modelling of Banjar River Watershed using HEC-HMS. Chem Sci Rev Lett 2021, 9 (33), 1-5	4.75
18	Rao JH, Patle D and Dubey S. 2020. Implementation of Morphometric analysis in prioritizing of sub-watersheds: A remote sensing and GIS aspect. Indian Journal of Pure & Applied Biosciences. 8(4):318-329.	4.74
19	Rao JH, Patle D and Sharma SK. 2020. Remote Sensing and GIS Technique for Mapping Land Use/Land Cover of Kiknari Watershed. India. Indian Journal of Pure and Applied Biosciences. 8(6):455-463.	4.74
20	Dubey S, Rao JH and Patle D. 2020. Morphometric Analysis and Prioritization of Sub watersheds of Umar Nala Watershed, Madhya Pradesh Using Geospatial Technique. International Journal of Agriculture, Environment and Biotechnology. 13(3):269-274.	4.69

21	Patle D, Rao J H and Sharma SK. 2020. Land Use / Land Cover Mapping of NahraNala Watershed Using SENTINEL-2B Imagery. International Journal of Agriculture, Environment and Biotechnology. 13(4):439-446.	4.69
22	Bunkar N, Nema RK and Awasthi MK. 2022. Contribution of Spatial Maps in Groundwater Potential Zones using Remote Sensing and Geographic Information System. International Journal of Environment and Climate Change 12(10): 763-774.	5.13
23	Govind Madariya, Dr. SK Pandey and Dr. SK Sharma. 2022. A comparative study on supervised and unsupervised techniques of land use and land cover classification. The Pharma Innovation Journal 2022; SP-11(3): 517-521.	5.23
24	Shreesty Pal, Dr. SK Pandey and Dr. SK Sharma. 2022. Applications of remote sensing and GIS in fruit crops: A review.2022. The Pharma Innovation Journal 2022; SP-11(2): 186-191	5.23
25	Priti Jain (2020), Effect of spray drying process parameters on particle morphology for fermented beetroot powder	5.31
26	PrathyushaVasipalli, Pratibha Parihar, Priti Jain and K. C. Mahajan (2020), Study of Various Storage Conditions on the Quality Attributes of Pre-treated Onion Paste	5.38
27	PrathyushaVasipalli, Pratibha Parihar, Priti Jain and KC Mahajan (2020), Changes in quality parameters during storage of pretreated onion paste	5.31
28	PrathyushaVasipalli, Pratibha Parihar, Priti Jain and KC Mahajan (2020), Standardization of a process for development of onion paste	5.31
29	Priti Jain and Mohan Singh (2020), Development of a process technology for production of pea peel protein isolate from green pea peel powder using isolation technique	5.31
30	Priti Jain and Mohan Singh (2021), Production and properties of spray dried carrot powder	5.03
31	Priti Jain and Mohan Singh (2021), Process optimization for micro-encapsulation of marigold colorant	5.03
32	Priti Jain and Mohan Singh (2021), Spray Drying of Rose Petal Juice: Effect of Air Temperature and Feed Flow Rate on Physical Attributes	5.03
33	Priti Jain (2021),Effect of spray-dryer operating variables on the fermented beetroot juice powder quality	5.03
34	Dilwar Singh Parihar*, Atul Kumar Shrivastava, Avesh Kumar Singh, Neeraj Kumar Singh, Akshay Sanjay Mahadik and Vishnu Ji Awasthi (2022) Optimization of Operational Parameters for Axial Flow Paddy Thresher Using RSM International Journal of Environment and	5.13

	Climate Change 12(9): 253-263, 2022; Article no.IJECC.85898 ISSN: 2581-8627	
35	Yalaka Nandini and Atul Kumar Shrivastava (2021) A review on different types of autonomous agriculture machines The Pharma Innovation Journal 2021; SP-10(12): 880-884	5.23
36	Atul Kumar Shrivastava, Shalini Chaturvedi, Prabhat Kumar Guru and Falguni Rathore (2021) Study of traditional processing methods of millet crop and its ergonomic assessment The Pharma Innovation Journal 2021; SP-10(10): 38-42	5.23
37	Atul Kumar Shrivastava, D.M. Kadam, R.K. Rathod and R.K. Dubey (2021) Fuel Quality Assessment of Biodiesel Produced through Transesterification Process from Different Plant Oils Frontiers in Crop Improvement Vol 9 : 820-825 (Special Issue-III August 2021)	4.67
38	Falguni Rathore and Atul Kumar Shrivastava* (2021) Determination of Various Physical Properties of Okra Seeds Int.J.Curr. Microbiol.App.Sci (2021) 10(02): 3575-3582	5.38
39	Rohit Namdeo* and Atul Kumar Shrivastava (2021) Mulch Laying Technology for Horticulture in India: A Review Agri. Res.	5.95
40	B. Krishna Kanth*, A. K. Shrivastava and Jitendra Bairwa (2021) Performance and Evolution of Touchi Gurma Weeder with Developed Self-propelled Power Unit International Journal of Current Microbiology and Applied Sciences ISSN: 2319-7706 Volume 10 Number 02 (2021)	5.38
41	B. Krishna Kanth*, A. K. Shrivastava and Jitendra Bairwa (2020) Design and Development of Self-Propelled Power Unit for Cono Weeder Current Journal of Applied Science and Technology 39(47): 11-20, 2020; Article no.CJAST.64299 ISSN: 2457-1024	5.00
42	Atul Kumar Shrivastava and Kalluri Praveen* (2020) Effect of boom height on spraying swath width of jnkvv push type solar and battery operated sprayer An International Quarterly Journal of Life Science 13(1): 00-00, 2018	5.96
43	Shalini Chaturvedi ¹ , Atul Kumar Shrivastava ^{1*} , R. Shiv Ramakrishnan ² , Ganesh Kumar Koutu ² and Sanjay Singh Effect of Moisture Content on Some Physical Properties of Three Varieties of Kodo (Paspalum scrobiculatum L.) Millet International Journal of Current Microbiology and Applied Sciences ISSN: 2319-7706 Volume 9 Number 9 (2020)	5.38
44	Balveer Singh Meena, Atul Kumar Shrivastava and R.K. Dubey (2020) Development and Evaluation of Manual operated two row planter for onion seeds Current Journal of Applied Science and	5.00

	Technology 39(48):153-161	
45	Kalluri Praveen and Atul Kumar Shrivastava (2020 Effect of nozzle height on spray overlapping of JNKVV push type solar and battery operated sprayer) Current Journal of Applied Science and Technology 39(31): 14-20	5.00
46	Kadam DM , Shrivastava AK, Rajesh Gupta and Rajak SK 2020 Performance evaluation of tractor drawn multi-crop planter. Indian Journal of Pure and Applied Biosciences 8(6):706-714	4.74
47	Rajak SK, Panse RK and Kadam DM . 2021 Milk Production in India and World: An Overview in Crop Improvement, Volume-9, (Special issue –III, August 2021): 238-242	4.67
48	Shrivastava AK, Kadam DM , Rathod RK and Dubey RK 2021 Fuel quality assessment of biodiesel produced through transesterification process from different plant oils Frontiers in Crop Improvement, Volume-9, (Special issue –III, August 2021): 820-825.	4.67
Papers with 4 NAAS rating >6		
1	N.R. Rangare, Manish Bhan and S.K. Pandey.2022. Assessment of weather effect on flower morphogenesis and fruit set in mango varieties in central India. Journal of Agrometeorology ISSN : 0972-1665 Vol. No. 24 (1) : 33-37	6.5
2	Narender* & Atul Kumar Shrivastava (2022), Design and development of a digging machine for turmeric and ginger crop Indian Journal of Engineering & Materials Sciences Vol. 29, April 2022, pp. 283-290	6.68
3	Chetan CR, Atul Kumar Shrivastava, Rudra Dubey, Dr. P. K. SINGH, Dibakar Ghosh 2022 Optimization of potato sprout orientation angle and effective weed management practice to produce higher economical tuber yield from cut tuber planting Potato Research journal (Accepted)	8.07
4	Avinash Kumar Gautam and Atul Kumar Shrivastava 2021 Design Parameters of Tractor Drawn Pressurized Aqueous Fertilizer Drill Agricultural Mechanization In Asia, Africa And Latin America	6.63