Sl. No	RESEARCH PAPERS	NAAS Rating
1	Acharya A, Sanyal P, Paul M, Gupta VK, Bakshi S, Bhattacharyya P, Mukhopadhyay SK. Seasonal quantification of carbonate dissolution and CO_2 emission dynamics in the Indian Sundarbans estuaries. *Regional Studies in Marine Science*. 2022 Jun 1;53:102413	8.1
2	Adhikari B, Mohapatra LN, Mohapatra SD, Senapati RK, Singh R, Satapathy SN (2022),The effect of differential pest load of leaf Folder, Cnaphalocrocis medinalis (Guenee) on extent of leaf damage and alteration in leaf biochemical composition in rice. *International Journal of Plant & Soil Science* 34 (12), 1360-1368	5.07
3	Adhikari B, Mohapatra LN, Senapati RK, Mohapatra M, Muduli L and Mohapatra SD (2022), Biochemical changes in rice leaves due to rice leaf folder *Cnaphalocriosis medinalis* (Guenee) infestation. *The Pharma Innovation Journal*, 11(8): 1463-1468	NA
4	Altaf MA, Behera B, Mangal V, Singhal RK, Kumar R, More S, Naz S, Mandal S, Dey A, Saqib M, Kishan G, Kumar A, Singh B, Tiwari RK, Lal MK. (2022). Tolerance and adaptation mechanism of Solanaceous crops under salinity stress. Functional Plant Biology. https://doi.org/10.1071/FP22158	8.6
5	Altaf MA, Shahid R, Altaf MM, Kumar R, Naz S, Kumar A, Alam P, Tiwari RK, Lal MK, Ahmad P. (2022). Melatonin: First-line soldier in tomato under abiotic stress current and future perspective. *Plant Physiology and Biochemistry*. 185: 188-197	12.1
6	Altaf MA, Shahid R, Kumar R, Altaf MM, Kumar A, Khan LU, Saqib M, Nawaz MA, Saddiq B, Bahadur S, Tiwari RK, Lal MK, Naz S. (2022). Phytohormones Mediated Modulation of Abiotic Stress Tolerance and Potential Crosstalk in Horticultural Crops. *Journal of Plant Growth regulation*. 42: 4724-4750. DOI: https://doi.org/10.1007/s00344-022-10812-0	10.64
7	Anandan A, Nagireddy R, Sabarinathan S, Bhatta BB, Mahender A, Vinothkumar M, Parameswaran C, Panneerselvam P, Subudhi H, Meher J, Bose LK. Multi-trait association study identifies loci associated with tolerance of low phosphorus in *Oryza sativa* and its wild relatives. *Scientific Reports*. 2022 Mar 8;12(1):1-24	10.01
8	Anilkumar, C., Sah, R. P., Azharudheen, T. P. M., Behera, S., Singh, N., Prakash, N. R., Sunitha, N. C., Devanna, B. N., Marndi, B. C., Patra, B. C., Nair, S. K. (2022). Understanding complex genetic architecture of rice grain weight through QTL-meta-analysis and candidate gene identification. *Scientific Reports*,12 (1): 1-13	10.01
9	Anilkumar, C., Sunitha, N. C., Harikrishna, Devate, N. B., Ramesh, S. (2022) Advances in integrated genomic selection for rapid genetic gain in crop improvement: a review. *Planta*, 256: 87	9.6
10	Annamalai M, Guru-Pirasanna-Pandi G, Chellapandiyan M, Adak T, G Basana-Gowda, Naveenkumar Patil, PC Rath, Senthil-Nathan S. 2022. Silica amendment enhances resistance of rice to yellow stem borer Scirpophaga incertulas (walker) with no detrimental effect on non-target organism Eisenia fetida (Savigny). Silicon. https://doi.org/10.1007/s12633-022-01897-z	8.8
11	Anupam A, Sinha SK, Priyamedha, Banerjee A, Roy S, Mandal NP (2022). Analysis of Genetic Diversity and Survey of QTLs for Grain Yield under Drought Stress in Drought Tolerant Rice Landraces Using DTY QTL-linked Markers. *Indian Journal of Plant Genetic Resources*35(2): 250–256	5.17
12	Awaji, SM, Hanjagi, SM, Repudi, SR, Suravi, US, Baig, MJ and Swain, P (2022). Identification and Characterization of drought tolerant rice genotypes	5.08

	using physiological and biochemical traits. Oryza, 59 (2): 221-231	
13	Azharudheen, T. P. M., Kumar, A., Anilkumar, C., Sah, R. P., Behera, S., Marndi, B. C. (2022). Understanding natural genetic variation for grain phytic acid content and functional marker development for phytic acid-related genes in rice. *BMC Plant Biology*,22(1): 446.	10.3
14	Azharudheen, T. P. M., Nayak, A. K., Behera, S., Anilkumar, C., Marndi, B. C., Moharana, D., Singh, L. K., Upadhyay, S., Sah, R. P. (2022). Genome-wide association analysis for plant type characters and yield using cgSSR markers in rice (*Oryza sativa* L.). *Euphytica*,218 (6):.69	7.6
15	Babu, S. B., Pandi, G. G. P., Parameswaran, C., Anant, A. K., Padhi, J., Bansal. R., Priyadarsani, S., Patra, B. C., Gowda, G. P., Annamalai, M., Patil, N., Rath, P. C. (2022). Genomic analysis and finding of candidate genes for Nilaparvata lugens (stål) resistance in Indian pigmented and other indigenous rice genotypes. Crop Protection,156 (4):105959.	8.5
16	Baite, M. S., Prabhukarthikeyan, S. R. and Raghu, S. (2022). Biological control of a fungus Ustilaginoidea virens causing false smut of rice. BioControl, 67(3), 357–363.	8.5
17	Bansal KC, Roy S, Ghoshal B (2022) Genome Editing Technologies for Efficient Use of Plant Genetic Resources. Indian Journal Plant Genetic Resources35(3): 95–99.	5.17
18	Bansal, K. C., Molla, K. A., Chinnusamy, V. (2022). Genome editing: a boon for plant biologists, breeders and farmers. Current Science,123 (1):15-19.	7.1
19	Bapatla, K.G., Singh, A.D., Sengottaiyan, V., Korada, R.R. and Yeddula, S., 2022. Impact of climate change on Helicoverpa armigera voltinism in different Agro-Climatic Zones of India. Journal of Thermal Biology, 106, p.103229.	8.9
20	Barik, S. R., Pandit, E., Sanghamitra, P., Mohanty, S. P., Behera, A., Mishra, J., et al. (2022) Unraveling the genomic regions controlling the seed vigour index, root growth parameters and germination per cent in rice. PLoS ONE,17 (7): e0267303.	8.9
21	Bastia, R., Pandit, E., Sanghamitra, P., Barik, S., Nayak, D. K., Sahoo, A., Moharana, A., Meher, J., Dash, P. K., Reshmi Raj, K. R., et al. (2022). Association Mapping for Quantitative Trait Loci Controlling Superoxide Dismutase, Flavonoids, Anthocyanins, Carotenoids, γ-Oryzanol and Antioxidant Activity in Rice. Agronomy,12: 3036. https://doi.org/10.3390/agronomy12123036.	9.3
22	Behera B, Kancheti M, Raza MB, Shiv A, Vikas M, Rathod G, Altaf MA, Kumar A, Aftab T, Kumar R, Tiwari RK, Lal MK, Singh B. (2022). Mechanistic insight on boron-mediated toxicity in plant vis-a-vis its mitigation strategies: a review. International Journal of Phytoremediation. 25 (1): 9-26. https://doi.org/10.1080/15226514.2022.2049694.	10
23	Berliner J, Pokhare SS, Mishra CD, Sahoo SC, Munda S, Adak T, Bose LK, Marandi BC, Subudhi HN, Patra BC, Manimaran B (2022) Comprehensive periodic evaluation of Oryza sativa germplasms for resistance against rice root-knot nematode, Meloidogyne graminicola. Oryza. 59(2):162-166. https://doi.org/10.35709/ory.2022.59.2.4.	5.08
24	Berliner J, Pokhare SS, Mishra CD, Sahoo SC, Munda S, Adak T, Bose LK, Marandi BC, Subudhi HN, Patra BC, Manimaran B (2022) Comprehensive periodic evaluation of Oryza sativa germplasms for resistance against rice root-knot nematode, Meloidogyne graminicola. Oryza. 59(2):162-166. https://doi.org/10.35709/ory.2022.59.2.4.	5.08

25	Bhaduri, D., Sihi, D., Bhowmik, A., Verma, B.C., Munda, S. and Dari, B., 2022. A review on effective soil health bio-indicators for ecosystem restoration and sustainability. Frontiers in Microbiology, 13, p.938481.	11.2
26	Bhattacharyya, S., Burman, R.R., Padaria, R.N., Paul, S., Roy, P. (2022). Development of Strategies for Effective Implementation of Sansad Adarsh Gram Yojana, Journal of Community Mobilization and Sustainable Development, 17(2): 643-648.	5.02
27	Binodh AK, Thankappan S, Ravichandran A, Mitra D, Alagarsamy S, Panneerselvam P, Senapati A, Sami R, Al-Mushhin AA, Aljahani AH, Alyamani A. Synergistic Modulation of Seed Metabolites and Enzymatic Antioxidants Tweaks Moisture Stress Tolerance in Non-Cultivated Traditional Rice Genotypes during Germination. Plants. 2022 Mar 14;11(6):775.	10
28	Bollinedi, H, Neeraja, CN, Chattopadhyay, K, Chandel, G, et al. (2022). Karuppunel: A promising donor for high zinc content in rice (Oryza sativa) grain. The Indian Journal of Agricultural Sciences. https://doi.org/10.56093/ijas.v92i10.117906.	6.3
29	Cayalvizhi, B. S., Parameswaran, C., Samantaray, S. (2022). Role of histone deacetylase inhibitors in androgenic callus induction of Oryza sativa sub indica, insight into evolution and mode of action of histone deacetylase genes. Molecular Biology Reports,49: 2169–2183.	8.6
30	Chakraborty K, Jena P, Mondal S, Dash GK, Baig MJ and Swain P (2022). Relative contribution of different members of OsDREB gene family towards osmotic stress tolerance in indica and japonica ecotypes of rice. Plant Biology 24(2): 356-366.	9.87
31	Chakravorty, N., Sharma, C. S., Molla, K. A., Pattanaik, J. K. (2022). Open Science – Challenges, Possible Solutions and the Way Forward. *Proceedings of the Indian Central Science Academy*, 88: 456–471	7.2
32	Chattopadhyay K, Sharma SG, Bagchi TB, Bose LK, Basak N. 2022. Development of Biofortified Rice Variety Swarnanjali by Enhancing Grain Protein Content in Popular Variety Swarna. *SATSA Mukhapatra - Annual Technical Issue*. 26: 61-73, ISSN 0971-975X	3.2
33	Chourasia KN, More SJ, Kumar A, Kumar D, Singh B, Bhardwaj V, Kumar A, Das SK, Singh RK, Zinta G, Tiwari RK, Lal MK. (2022). Salinity responses and tolerance mechanisms in underground vegetable crops: an integrative review. Planta. 255 (68): 1-25	9.6
34	Das, G., Pradhan, B., Bastia, D., Samantaray, S., Jena, D., Rout, D., Mukherjee, A. K., Mohan, C., Verma, R. L. (2022). Pyramiding Submergence Tolerance and Three Bacterial Blight Resistance Genes in Popular Rice Variety Hasanta through Marker-Assisted Backcross Breeding. Agriculture,12: 1815	9.3
35	Dash, B., Bhuyan, S. S., Singh, S. K., Chandravani, M., Swain, N., Rout, P., Katara, J. L., Parameswaran, C., Devanna, B. N., Samantaray, S. (2022). Androgenesis in indica rice: A comparative competency in development of doubled haploids. *Plos One*,17: 5	8.9
36	Dass MA, Anila M, Kale RR, Pragya S, Anantha MS, Mandal NP, Surekha Rani H, Pawar SC, Roja Rani A, Srinivas A, Prasanth S and Sundaram RM. 2022. Evaluation of Rice Recombinant Inbred Lines Developed from the Cross Rasi × Improved Samba Mahsuri for Drought Tolerance. International Journal of Environment and Climate Change 12(12): 1537-1546	5.06
37	Devanna, B. N., Jain, P., Solanke, A. U., Das, A., Thakur, S., Singh, P. K., Kumari, M., Dubey, H., Jaswal, R., Pawar, D., Kapoor, R., Singh, J., Arora, K., Saklani, B. K., Anilkumar, C., Maganti, S. M., Sonah, H., Deshmukh, R.,	10.2

	Rathour, R., Sharma, T. R. (2022). Understanding the Dynamics of Blast Resistance in Rice-*Magnaporthe oryzae* Interactions. *Journal of Fungi*,(8): 584	
38	Divekar, P. A., Patel, S. K., Guru-Pirasanna-Pandi G, Manimurugan, C., Singh, V., & Singh, J. S. 2022. A Selective Novel Insecticide able to Check Key Lepidopteran Pests in Cabbage Ecosystem. *Pakistan Journal of Zoology*, 1-10	6.5
39	G. Basana Gowda, Patil NB, Sahu M, Prabhukarthikeyan SR, Raghu S, Govindharaj GPP, Adak T, Swain CK, Pokhare S, Mohapatra SD, Rath PC, 2022, Differential Gut Bacteria in Phosphine Resistant and Susceptible Population of Tribolium castaneum (Herbst) and their Biochemical and Molecular Characterization. Pakistan Journal of Zoology, 54 (3): 1331-1338. https://dx.doi.org/10.17582/journal.pjz/20201204111217	6.5
40	Gautam RK, Langyan S, Devi SV, Singh R, Semwal DP, Ali S, Mangat GS, Sarkar S, Bagchi TB, Roy S, Senguttuvel P, Bhuvaneswari S, Chetia S, Tripathi K, Harish GD, Kumar A, Singh K (2022). Genetic resources of sticky rice in India: status and prospects. *Genetic Resources and Crop Evolution* https://doi.org/10.1007/s10722-022-01479-3	7.6
41	Bandaru G, Ponnusamy D, Chunduri S. Screening of two native isolates of entomopathogenic nematodes, Heterorhabditis indica and Heterorhabditis bacteriophora, for temperature and moisture stress tolerance. THE INDIAN SOCIETY OF OILSEEDS RESEARCH.:234.Giri GS, Raju S. V. S., Mohapatra SD and Mohapatra M (2022) Effect of elevated carbon dioxide on biology and morphometric parameters of yellow stem borer, *Scirpophaga incertulas* infesting rice (*Oryza sativa*). Journal of Agrometeorology. 24 (1): 77-82	5.45
42	Gobu R, Dash GK, Lal JP, Swain P, Mahender A, Anandan A, Ali J (2022). Unlocking the Nexus between Leaf-Level Water Use Efficiency and Root Traits Together with Gas Exchange Measurements in Rice (Oryza sativa L.). Plants 11 (9): 1270	10.65
43	Gorai, S.K., Wason, M., Padaria, R.N., Rao, D.U.M., Paul, S., Paul, R.K. (2022). Comparative Analysis of the Profile of the Member Farmers of High Performing and Low Performing Farmer Producer Organisations in West Bengal. Journal of Community Mobilization and Sustainable Development, 3 (Seminar Special Issue): 970-979	5.02
44	Gorai, S.K., Wason, M., Padaria, R.N., Rao, D.U.M., Paul, S., Paul, R.K. (2022). Swot and Constraint Analysis of Farmer Producer Organisations in West Bengal. Journal of Community Mobilization and Sustainable Development, 17(1): 1-7	5.02
45	Gorai, S.K., Wason, M., Padaria, R.N., Rao, D.U.M., Paul, S., Paul, R.K. (2022). Factors Contributing to the Stability of the Farmer Producer Organisations: A Study in West Bengal. Indian Journal of Extension Education, 58(2): 91-96	5.02
46	Goyal, A., Badal, P.S., Kamalvanshi, V., Kumar, P. and Mondal, B. (2022). Forecasting of Pea Prices of Varanasi Market Uttar Pradesh, India through ARIMA Model. *Agro Economist - An InterCentral Journal,* 09(01): 49-54	NA
47	Gupta OP, Deshmukh R, Kumar A, Singh SK, Sharma P, Ram S, Singh GP. (2022). From gene to biomolecular networks: a review of evidences for understanding complex biological function in plants. Current Opinion in Biotechnology. 74: 66-74.	15.74
48	Guru-Pirasanna-Pandi G, Babu SB, Choudhary JS, Asad M, Parameswaran C, Basana-Gowda G, Rath PC, Naaz N, Jaremko M, Qureshi KA, Kumar U. 2022. "Genome Organization and Comparative Evolutionary Mitochondriomics of Brown Planthopper, *Nilaparvata lugens* Biotype 4 Using Next Generation	9.2

	Sequencing (NGS)" *Life* 12, no. 9: 1289	
49	Guru-Pirasanna-Pandi Govindharaj, Anant AK, Choudhary JP, Babu SB, Basana Gowda, Annamalai M, Patil N, Adak T, Panneerselvam P, and Rath PC. 2022. Molecular diversity of *Nilaparvata lugens* (Stål.) (Hemiptera: Delphacidae) from India based on internal transcribed spacer 1 gene. *Current Science* 122(12): 1392-1400	7.1
50	Guru-Pirasanna-Pandi Govindharaj, Choudhary JP, Anant AK, Parameswaran C, Basana Gowda, Adak T, Panneerselvam P, Annamalai M, Patil N, and Rath PC. 2022. Population genetic structure and migration pattern of *Nilaparvata lugens* (Stål.) (Hemiptera: Delphacidae) populations in India based on mitochondrial COI gene sequences. *Current Science* 123(3): 461-470	7.1
51	Halder J, Adak T, Majumder S. (2022) Bioefficacy, phytotoxicity and insecticide residue dynamics of chlorantraniliprole in brinjal (Solanum melongena) under field condition. Indian Journal of Agricultural Sciences 92(10): 1219–1224, https://doi.org/10.56093/ijas.v92i10.124925	6.3
52	Jambhulkar, N.N., Sahoo, S.K. and Bose, L.K., 2022. Genotype× environment interaction in rice using measures of stability from AMMI model. *Oryza*; 59(2): 241-251	5.08
53	Joshi, R., Ramawat, N., Sah, R. P., Gogia, A., Talukdar, A., Sharma, S., Kumar, A., Raje, R. S., Patil, A. N., Kumar, D. (2022). Assessment of salt tolerance potential at the germination and seedling stages in pigeonpea (*Cajanus cajan* L.). *Indian journal of genetics and plant breeding*,82 (03): 311-323	7
54	Kapoor, R., Kumar, G., Pawar, L., Salvi, P., Devanna, B.N., Singh, K. and Sharma, T.R., 2022. Stress responsive OsHyPRP16 promoter driven early expression of resistance gene Pi54 potentiate the resistance against Magnaporthe oryzae in transgenic rice. Plant Science, 324, p.111413	10.2
55	Karmakar, A., Taufiqa, S., Baig, M. J., Molla, K. A. (2022). Increasing disease resistance in host plants through genome editing. Proceedings of the Indian Central Science Academy,88: 417–429. https://doi.org/10.1007/s43538-022-00100-6	7.2
56	Karmakar, S., Das, P., Panda, D., Baig, M. J., Molla, K. A. (2022) A detailed landscape of CRISPR-mediated plant disease and pest management. Plant Science,323: 111376. https://doi.org/10.1016/j.plantsci.2022.111376	10.2
57	Karwa S, Taunk J, Maurya S, Das A, Krishna GK, Arya SS, Kumar A, Kumar S, Kumar P, Chinnusamy V, Pal M. (2022). Spermidine exogenous application mollifies reproductive stage heat stress ramifications in rice. Frontiers in Plant Science. 13 (1027662): 1-17	10.1
58	Kaviraj M, Kumar U, Chatterjee SN. 2022. Rice Root Exudation: Signalling and Behavior of Shaping the DNRA Microbiome. Research Biotica. 4 (2): 37-41	NA
59	Kaviraj M, Kumar U, NayakAK, Chatterjee S. 2022. Homology modeling and virtual characterization of cytochrome c nitrite reductase (NrfA) in three model bacteria responsible for short circuit pathway, DNRA in the terrestrial nitrogen cycle. *World Journal of Microbiology and Biotechnology*. 10.1007/s11274-022-03352-y	10.1
60	Keerthana, U., Phalguni, M., Prabhukarthikeyan, S.R., Naveenkumar, R., Yadav, M.K., Parameswaran, C., Baite, M.S., Raghu, S., Reddy, M.G., Harish, S. and Panneerselvam, P., 2022. Elucidation of the population structure and genetic diversity of Bipolaris oryzae associated with rice brown spot disease using SSR markers. 3 Biotech, 12(10), p.281	9.2

61	Khan, Zesmin, Thounaojam, Thorny Chanu, Bhagawati, Rupankarand Upadhyaya, Hrishikesh. 2022. Impact of arsenic on the seedlings of Ranjit and Aijung, two most edible rice cultivars of Assam, India. *Journal of Stress Physiology & Biochemistry* 18(1):28-39	NA
62	Khanam R, Kulsum PG, Debnath S, Roychowdhury T, Mandal B. Impact of soil amendment regimes on arsenic exposure to human through rice: Risk assessment and prediction for remediation. Exposure and Health. 2023 Jun;15(2):355-71.	12.7
63	Kumar V, Singh P K. , Karkute S G, Tasleem M, Bhagat S, Mithra A S, Abdin M J, Rai A, Sharma T R, Singh N K and Solanke, A U. 2022. Identification of novel resources for panicle blast resistance from wild rice accessions and mutants of cv. Nagina 22 by syringe inoculation under field conditions. 3 Biotech 12, 53 (2022). https://doi.org/10.1007/s13205-022-03122-5	9.2
64	Kumar A, Lal MK, Nayak S, Sahoo U, Behera A, Bagchi TB, Chidambaranathan P, Swain P, Sharma SG. (2022). Effect of parboiling on starch digestibility and mineral bioavailability in rice (Oryza sativa L.). LWT-Food Science and Technology. 156 (113026): 1-9	12.06
65	Kumar A, Nayak AK, Sharma S, Senapati A, Mitra D, Mohanty B, Prabhukarthikeyan SR, Sabarinathan K, Indra MA, Rajendra S, Thankappan S.Panneerselvam.P Recycling of rice straw—a sustainable approach for ensuring environmental quality and economic security: A review. *Pedosphere*. 2022 Jun 7.	11.7
66	Kumar, A., Lal, M.K., Nayak, S., Sahoo, U., Behera, A., Bagchi, T.B., Parameswaran, C., Swain, P. and Sharma, S., 2022. Effect of parboiling on starch digestibility and mineral bioavailability in rice (Oryza sativa L.). LWT-Food Science and Technology. 156, p.113026.	12.06
67	Kumar, M., Singh, R. P., Jena, D., Singh, V., Rout, D., B Arsode, P. B., Choudhary, M., Singh, P., Chahar, S., Samantaray, S., Mukherjee, A. K., Mohan, C., Singh, O. N., Verma, R. L. (2022). Marker-Assisted Improvement for Durable Bacterial Blight Resistance in Aromatic Rice Cultivar HUR 917 Popular in Eastern Parts of India. *Plants*,12: 1363	10
68	Kumar, P., Handral, A.R., Mondal, B., Yadav, R.K., Anbukkani, P., 2022. Economics of Pulse Production in Bundelkhand Region of Uttar Pradesh, India: An Empirical Analysis. Research on World Agricultural Economy. 3(3), 560. http://dx.doi.org/10.36956/rwae.v3i3.560	NA
69	Kumar, S., Madhu, M., Mondal, B. and Kumar, A. (2022). Tracing the trajectory of watershed development in India using watershed guidelines: policy insights. Current Science, 123(8):968-974; 25 October, 2022	7.1
70	Kumar, U., Kaviraj, M., Panneerselvam, P. and Nayak, A.K., 2022. Conversion of Mangroves into Rice Cultivation Alters Functional Soil Microbial Community in Sub-Humid Tropical Paddy Soil.*Frontiers in Environmental Science*, 10, p.858028	10.6
71	Lal MK, Sharma N, Adav SB, Sharma E, Altaf MA, Tiwari RK, Kumar R, Kumar A, Dey A, Paul V, Singh B, Singh MP. (2022). From source to sink: mechanistic insight of photoassimilates synthesis and partitioning under high temperature and elevated [CO2]. Plant Molecular Biology. 110: 305-324	10.34
72	Mahapatra, A., Nikam, V., Paul, S., Ray, M. and Mahra, G.S. (2022). A Functional Analysis of Extension and Advisory Services Offered by Farmer Producer Organisation in Tribal Region of Odisha. Journal of Community Mobilization and Sustainable Development, 17(3): 711-717	5.02

73	Malviya, D., Singh,UB., Dehury, B., Singh, P., Kumar, M., Singh, S., Chaurasia, A., Yadav,MK., Shankar, R., Roy,M., Rai, JP., Mukherjee, AK., Solanki, IS., Kumar, A., Kumar, S., Singh, HV., (2022). Novel Insights into Understanding the Molecular Dialogues between Bipolaroxin and the Gα and Gβ Subunits of the Wheat Heterotrimeric G-Protein during Host–Pathogen Interaction. Antioxidants 11: 1754. https://doi.org/10.3390/antiox11091754.	12
74	Masurkar P, Bag MK, Ray A, Singh RK, Baite MS, Rath PC, 2022. Genetic diversity and population structure analysis of rice false smut pathogen in North India using molecular markers. Journal of Phytopathology, 170(2), 124–140. https://doi.org/10.1111/jph.13061	7.1
75	Meher J, Dash, SK, Sarkar S, Bagchi TB, Swain P, Parameswaran C, Rath PC, Subudhi HN. (2022). Evaluation of Rice Varieties of different Ecologies for Grain Quality Characters. Biological Forum- An International Journal. 14(1): 1038-1042	4.96
76	Mishra R, Mishra HP, Pradhan SS, Pandi G GP, Basana Gowda G, Patil NB, Mahendiran A, Rath PC and Adak T. (2022) Residue dynamics and bio-efficacy of triflumezopyrim against Nilaparvata lugens and non-targeted effect on natural enemies in a rice ecosystem. Environmental Science and Pollution Research. https://doi.org/10.1007/s11356-022-18551-1	6
77	Mishra UN, Jene D, Sahoo C, Devi R, Kumar R, Jena R, Irondi EA, Rout S, Tiwari RK, Lal MK, Baig MJ, Kumar A. (2022). Nutrigenomics: An inimitable interaction amid genomics, nutrition and health. Innovative Food Science and Emerging Technologies. 82(103196):1-13	13.1
78	Mitra D, de los Santos-Villalobos S, Cota FI, Montelongo AM, Blanco EL, Olatunbosun AN, Khoshru B, Mondal R, Chidambaranathan P, Panneerselvam P, Mohapatra PK. Rice (*Oryza sativa* L.) plant protection by using dual biological control and plant growth-promoting agents—current scenarios and future prospects: A review. *Pedosphere*. 2022 Jun 7	11.7
79	Mitra D, Saritha B, Janeeshma E, Gusain P, Khoshru B, Nouh FA, Rani A, Olatunbosun AN, Ruparelia J, Rabari A, Mosquera-Sánchez LP. Arbuscular mycorrhizal fungal association boosted the arsenic resistance in crops with special responsiveness to rice plant. *Environmental and Experimental Botany.* 2022 Jan 1;193:104681	10.5
80	Mitra, D., Mondal, R., Khoshru, B., Senapati, A., Radha, T.K., Mahakur, B., Uniyal, N., Myo, E.M., Boutaj, H., Sierra, B.E.G., Panneerselvam, P., Ganeshamurthy, An., AnđjElković, S., Vasić, T., Rani A., Dutta, S., Das Mohapatra, Pk. 2022. Actinobacteria-enhanced plant growth, nutrient acquisition, and crop protection: Advances in soil, plant, and microbial multifactorial interactions. *Pedosphere*, 32(1), pp.149-170	11.7
81	Mohanty, S., Donde, R., Das, S., Panda, D., Mishra, B., Pradhan, S. K., Dash, S. K., Swain, P., Behera, L. (2022). Utilization of genetic diversity and population structure to reveal prospective drought-tolerant donors in rice. *Gene Reports*,23: 101151	7
82	Mohapatra M, Mohapatra SD and Giri GS (2022), Effect of Elevated CO2 on the abundance of Soil Arthropods in Rice Ecosystem. Biological Forum, 14(3): 1063-1067	4.96
83	Mohapatra SD, Mohapatra M and Singh S(2022) Relative Toxicity of New Insecticide Molecules against Rice Leaf Folder and Brown Plant Hopper and their effect on Natural Enemies. Biological Forum,14(4):211-216	4.96
84	Mohapatra SD, Singh Swoyam and Giri GS (2022) Field efficacy of triflumezopyrim 5% + spinetoram 9% against yellow stem borer and brown plant hopper in rice ecosystem and their effects on natural enemies. The	NA

	Pharma Innovation Journal, 11(10), 1556-1560	
85	Molla, K. A. (2022) Virus secret revealed: Ribosome profiling uncovers unannotated translation initiation sites and hidden open reading frame in the TYLCTHV genome. The Plant Cell, 34 (5): 1441-1442. https://doi.org/10.1093/plcell/koac034	16
86	Molla, K. A. (2022). Flowering time and photoperiod sensitivity in rice: Key players and their interactions identified. The Plant Cell, 34 (10): 3489-3490.https://doi.org/10.1093/plcell/koac230	16
87	Molla, K. A.(2022). CRISPR-Cas9 helps solve a piece of the puzzle of the biosynthesis of salicinoids and suggests a role in the growth-defense trade-off in poplar. The Plant Cell, 34 (8):2819-2820. https://doi.org/10.1093/plcell/koac157	16
88	Molla, K. A., Shih, J., Wheatley, M. S., Yang, Y. (2022). Predictable NHEJ Insertion and Assessment of HDR Editing Strategies in Plants. Frontiers in Genome Editing, 4: 825236. https://doi.org/10.3389/fgeed.2022.825236	10.9
89	Mondal, B.,Bisen, J.P., Jambhulkar, N.N. and Tripathi, R. (2022) Rice supply, demand and exportable surplus in India: Present vis-à-vis thirty years ahead. Oryza 59(4): 504-511	5.08
90	Muduli L, Pradhan SK, Dash M, Mohapatra SD and Rath SN (2022) Identification of Brown Planthopper (*Nilapravata Lugens* Stal.) Stress Response Genes in Rice Using RNASeq Data. Biological Forum, 14(4a):705-714	4.96
91	Munda S, Khanam R, Nayak AK, Md. Shahid, Guru PK, Kumar A, Tripathi R, Saha S, Panda BB, Mohapatra SD. 2022. Conservation agriculture for enhancing crop productivity, energy use efficiency, carbon stock, soil health and reducing GHG emissions. *Communications in Soil and Plant Analysis*	7.33
92	Nayak AK, Tripathi R, Debnath M, Swain CK, Dhal B, Vijaykumar S, Nayak AD, Mohanty S, Shahid M, Kumar A, Rajak M. 2022. Carbon and water footprint of rice, wheat & maize crop productions in India. *Pedosphere*. 2022 Jun 7	11.7
93	Nayak L, Panda D, Dash GK, Lal MK, Swain P, Baig MJ, Kumar A. (2022). A chloroplast Glycolate catabolic pathway bypassing the endogenous photorespiratory cycle enhances photosynthesis, biomass and yield in rice (Oryza sativa L.). Plant Science. 314(111103): 1-11	10.2
94	Nayak L, Panda D, Dash GK, Lal MK, Swain P, Baig MJ, Kumar A. (2022). Glycolate catabolic bypass pathway integration in rice could be effective in lowering photorespiratory rate with modulating starch content and grain quality. Oryza. 59(1): 51-58	5.08
95	Nayak, A. K., Anilkumar, C., Behera, S., Sah, R. P., Lavanya, G. R., Kumar, A., Behera, L., Azharudheen, T. P. M. (2022). Genetic Dissection of Grain Size Traits Through Genome-Wide Association Study Based on Genic Markers in Rice. *Rice Science*,29 (5): 462-472	11.6
96	Nayak, D. K., Sahoo, S., Barik, S. R., Sanghamitra, P., Sangeeta, S., Pandit, E., Reshmi Raj, K. R., Basak, N., Pradhan, M. S. K. (2022). Association mapping for protein, total soluble sugars, starch, amylose and chlorophyll content in rice. *BMC Plant Biology*,22: 620	10.3
97	Padbhushan R, Kumar U, Sharma S,Rana DS, Kohli A, Kaviraj M, Kumari P, Parmar B, Kumar R, Annapurna K, Sinha AK, and Gupta VVSR. 2022.Impact of land-use changes on soil properties and carbon pools in India: A meta-analysis. *Frontiers in Environmental Science.9:794866 doi:*	10.6

	10.3389/fenvs.2021.794866	
98	Padhy SR, Bhattacharyya P, Dash PK, Nayak SK, Baig MJ, Swain P, Mohapatra T. Soil Metagenome Revealed Contrasting Anammox Bacterial Diversity in Coastal Mangrove and Rice Ecology. *Geomicrobiology Journal*. 2022 Apr 16:1-0.	8.2
99	Padhy SR, Bhattacharyya P, Dash PK, Nayak SK, Parida SP, Baig MJ, Mohapatra T. Elucidation of dominant energy metabolic pathways of methane, sulphur and nitrogen in respect to mangrove-degradation for climate change mitigation. *Journal of Environmental Management*. 2022 Feb 1;303:114151.	14.7
100	Panda D, Mohanty S, Das S, Sah RP, Kumar A, Behera L, Baig MJ, Tripathy BC. (2022). The role of phytochrome-mediated gibberellic acid signaling in the modulation of seed germination under low light stress in rice (O. sativa L.). Physiology and Molecular Biology of Plants. 28(3): 585-605	9.02
101	Panigrahi, S. K., Tripathi, K., Singh, R., Kumar, R., Sanghamitra, P., Wankhede, D. P, Singh, N., Dubey, K. K. D., Gupta, K. (2022). Evaluation of black gram (*Vigna mungo*) genepool against *Callosobruchus maculatus* and diversity analysis inter se. *Indian Journal of Agricultural Sciences*, 92 (7): 915–9	6.3
102	Parida S, Dash GK, Samal KC, Swain P (2022) Reactive oxygen species (ROS) and response of antioxidants as ROS scavengers in contrasting rice (Oryza sativa L.) genotypes under drought stress. Oryza 59 (1): 39-50	5.08
103	Parmar B, Vishwakarma A, Padbhushan R, Kumar A, Kumar R, Kumari R, Yadav BK, Giri S P, Kaviraj M and Kumar U. 2022. Hedge and alder-based Agroforestry systems: Potential interventions to carbon sequestration and better crop productivity in Indian sub-Himalayas. *Frontiers in Environmental Science*.doi: 10.3389/fenvs.2022.858948	10.6
104	Patil, S. L., Mondal, B.,Bagdi, G.L., ChannaBasappa, K. and Reddy, K.K. (2018). Participatory paradigm of watershed development projects in semi-arid tropics of Andhra Pradesh: An assessment. *The Bioscan*, 13(4): 883-886	4.06
105	Pattnaik, S.S., Rout, P., Verma, C.R., Parmeswaran, J.L.K., Devanna, B.N. and Nayak, B., 2022. Correlation analysis for yield and its attributing traits among the doubled haploids developed through androgenises. *Pharm Innov J,* 11(10), pp.1800-1804	NA
106	Prabhukarthikeyan S. R., Parameswaran C., S.B. Sawant., R. Naveenkumar., Mahanty, A., Keerthana, U., Yadav, M.K., Anandan, A., Panneerselvam, P., Bag, M.K., and P.C. Rath 2022. Comparative Proteomic Analysis of *Rhizoctonia solani* Isolates Identifies the Differentially Expressed Proteins with Roles in Virulence. *J. Fungi*, 8, 370	10.2
107	Prabhukarthikeyan, S.R., Parameswaran, C., Sawant, S.B., Keerthana, U., Yadav, M.K., Raghu, S., Baite, M.S., Mahanty, A., Panneerselvam, P., Anandan, A. and Rath, P.C., 2022. Unraveling the Molecular Basis of *Bacillus Megaterium* Interactions in Rice for Plant Growth Promotion Through Proteomics and Gene Expression. *Journal of Plant Growth Regulation*, pp.1-13	10.8
108	Pradhan B, Panda D, Bishi SK, Chakraborty K, Muthusamy SK, Lenka SK (2022) Progress and prospects of C4 trait engineering in plants. Plant Biology 24: 920–931	9.08
109	Pradhan, K. C., Barik, S. R., Mohapatra, S., Nayak, D. K., Pandit, E., Jena, B. K., Sangeeta, S, Pradhan, A., Samal, A., Meher, J., Behera, L., Panigrahi, D., Mukherjee, A. K., Pradhan, S. K. (2022). Incorporation of Two Bacterial Blight Resistance Genes into the Popular Rice Variety, Ranidhan through Marker-Assisted Breeding. *Agriculture*, 2: 1287	9.3

110	Pradhan, K. C., Pandit, E., Mohanty, S. P., Moharana, A., Sanghamitra, P., Meher, J., Jena, B. K., Dash P. K., Behera, L., Mohapatra, P. M., Bastia, D. N., Pradhan, S. K. (2022). Development of Broad Spectrum and Durable Bacterial Blight Resistant Variety through Pyramiding of Four Resistance Genes in Rice. *Agronomy*,12: 1903	9.3
111	Pradhan, SR., Sahu, GS., Tripathy, P., Das, SK., Mangaraj, S., Jena, R. (2022) Impact of grafting and different levels of spacing and nitrogen fertilizers on non-marketable fruit yield in brinjal (*Solanum melongena* L.). *The Pharma Innovation Journal* 11(11): 561-563	NA
112	Raj K Gautam, Sapna Langyan, S Vimla Devi, Rakesh Singh, DP Semwal, Sharik Ali, GS Mangat, Sutapa Sarkar, Torit Baran Bagchi, Somnath Roy, P Senguttuvel, S Bhuvaneswari, S Chetia, Kuldeep Tripathi, GD Harish, Ashok Kumar, Kuldeep Singh (2022) Genetic resources of sticky rice in India: status and prospects, Genetic Resources and Crop Evolution, https://doi.org/10.1007/s10722-022-01479-3	7.6
113	Raju, S.R., Hanjagi, P.S., Sahoo, C.R., Awaji, S.M., Samal, K.C., Devanna, B.N. and Dash, M., 2022. Characterizing genotypic diversity: Flowering pattern, grain yield and yield attributes in rice for crop improvement. *Biological Forum- An InterCentral Journal,* 14: 733	4.96
114	Rath H, Panda BB, Verma AK, Nayak AK and Jena J (2022). System based phosphorus management improved the productivity, profitability and nutrient uptake of rainfed rice (*Oryza sativa* L.) - greengram (*Vigna radiata* L.) cropping system. *Oryza 59*(2), 205–210	5.08
115	Rath P.C., Meher J., Bose L.K., Dash S.K., Parmeswaran C., Pandi G.P. G, Basana Gowda G., Adak Totan, Patil N.K.B., Annamalai M., Bag M.K., Prabhukarthikeyan S.R., Raghu S., Baite M.S., Prasanthi G., Subudhi H.N., 2022. Net House Evaluation of Rice Land Races against Brown Plant Hopper and White Backed Plant Hopper. *Environment and Ecology*, 40 (2C): 913—916	4.87
116	Rath, P. C., Bose, L. K., Jambhulkar, N. N., Kar, M. K., Subudhi, H. N. (2022). Identification of Alien Introgression Lines Resistant to White Backed Planthopper, *Sogatella furcifera*(Horvath) in Rice. *Journal of Experimental Agriculture InterCentral*,44 (7): 38-41	NA
117	Reshmi Raj, K. R., Gopala Krishnan, S., Arun Kumar, M. B., Bansal, V. P. (2022). Influence of differential root and shoot growth rate on seedling vigour index in rice. *Oryza*,59: 323-329	5.08
118	Reshmi Raj, K. R., Baisakh, B., Tripathy, S. K., Lenka, D., Salini, K., Mohanty, M. R. (2022). Studies on correlation and path analysis for yield and yield related characters in green gram (*Vigna radiata* (L.) Wilczek). *The Pharma Innovation*,11 (6): 2392-2395	NA
119	Reshmi Raj, K. R., Choudhary, S. B., Sharma, H. K., Ahlawat, S. P. (2022). Diversity Analysis in tamarind germplasm and their geo referencing using DIVA GIS. *Journal of Andaman Science Association*, 27 (1): 20-25	4.12
120	Reshmi Raj, K.R., Baisakh, B., Tripathy, S. K., Lenka, D., Salini, K., Mohanty, M. R. (2022). Genetic variability study of yield and yield related characters in green gram (*Vigna radiata* (L.) Wilczek). *Journal of Andaman Science Association*,27 (1): 13-19	4.12
121	Ruparelia J, Rabari A, Mitra D, Panneerselvam P, Das-Mohapatra PK, Jha CK. Efficient applications of bacterial secondary metabolites for management of biotic stress in plants. *Plant Stress*. 2022 Dec 1; 6:100125	11
122	Sah, R. P., Behera, S., Dash, S. K., Azharudheen, T. P. M., Meher, J., Kumar, A., Marndi, B. C., Kar, M. K., Subudhi, H. N., Anilkumar, C. (2022).	9.02

	Unravelling genetic architecture and development of core set from elite rice lines using yield-related candidate gene markers. *Physiology and Molecular Biology of Plants*,28 (6): 1217-1232	
123	Sah, R. P., Nayak, A. K., Anilkumar, C., Behera, S., Azharudheen, T. P. M., Lavanya, G. R. (2022). cgSSR marker-based genome-wide association study identified genomic regions for panicle characters and yield in rice (*Oryza sativa* L.). *Journal of the Science of Food and Agriculture*,103 (2): 720-728	9.3
124	Sahoo B, Nair SK, Jena D, Rout D, Singh V, Arsode P, Giri A, Saha S, Pramanik A, Rana DK, Katara JL, Mohapatra SD, Samantaray S and Verma R (2022) Genetic diversity analysis among parents and derivative NILs of rice hybrid Rajalaxmi improved for BPH tolerance. The Pharma Innovation Journal 11(3): 1519-1522	NA
125	Sahoo S, Mukhopadhyay P, Sinha AK, Bhattacharya PM, Rakesh S, Kumar R, Padbhushan R, Parmar B, Vishwakarma A, Kumar A, Yadav BK. Yield, nitrogen-use efficiency, and distribution of nitrate-nitrogen in the soil profile as influenced by irrigation and fertilizer nitrogen levels under zero-till wheat in the eastern Indo-Gangetic plains of India. *Frontiers in Environmental Science*. 2022:1329	10.6
126	Sahu N, Basana Gowda G, Rath LK, Anilkumar C, Sah RP, Mandal L, Govindharaj GPP, Patil NB, Adak T, Mahendiran A, Rath PC, 2022, Marker-trait association analysis for gall midge (Orseolia oryzae) resistance in a diverse rice population. Annals of applied biology. 182:361–370. https://doi.org/10.1111/aab.12824	8.2
127	Samal, P., Babu, S.C., Mondal, B. and Mishra, S.N. (2022). The global rice agriculture towards 2050: An inter-continental perspective. Outlook on Agriculture, https://doi.org/10.1177/00307270221088338	9.5
128	Samal, P., Molla, KA., Ball, A., Roy, S., Swain, H., Khandual, A., Sahoo, P., Behera, M., Jaiswal, S., Iquebal, A., Behera, L., Chakraborti, M., Kar, M., Mukherjee, A.K. (2022). Comparative transcriptome profiling reveals basis of differential sheath blight disease response in tolerant and susceptible rice genotypes. *Protoplasma;259 (1):61-73*	8.5
129	Sanghamitra, P., Barik, S. R., Bastia, R., Mohanty, S. P., Pandit, E., Behera, A., Mishra, J., Kumar, G., Pradhan, S. K. (2022) Detection of Genomic Regions Controlling the Antioxidant Enzymes, Phenolic Content, and Antioxidant Activities in Rice Grain through Association Mapping. *Plants*,11: 1463	10
130	Sanghamitra, P., Bose, L. K., Bagchi, T. B., Kumar, A., Roy, P. S., Moharana, N., Patra, B. C., Padmavati, G., Chattopadhyay, K. (2022). Characterization and exploring genetic potential of landraces from Odisha with special emphasis on grain micronutrient content for benefaction of biofortification in rice. *Physiology and molecular Biology of Plants*.28: 203–221	9.02
131	Sanghamitra, P., Bose, L.K., Bagchi, T.B., Kumar, A., Roy, P.S., Moharana, N., Patra, B.C., Padmavati, G. and Chattopadhyay, K., 2022. Characterization and exploring genetic potential of landraces from Odisha with special emphasis on grain micronutrient content for benefaction of biofortification in rice. Physiology and Molecular Biology of Plants, 28(1), pp.203-221	9.02
132	Satapathy BS, Chatterjee D, Saha S, Duary B, Singh T. Weed management in a direct-seeded rice-ratoon rice cropping system. *The Journal of Agricultural Science*. 2022 Apr 7:1-0	7.7
133	Sawant, S.B., Mishra, M. K., Prabhukarthikeyan, S. R., Senapati, A.K., Samal K.C., Behura A. (2022). Molecular characterization of *Sarocladium oryzae* causing sheath rot disease in Rice (*Oryza sativa* L.). Ann. Phytomed.,	7.7

	11(2):670-676	
134	Sekhar, S., Das, S., Panda, D., Mohanty, S., Mishra, B., Kumar, A., Devanna Navadagi, D. BB.N., Sah, R. P., Pradhan, S. K., Samantaray, S., Baig, M. J., Behera, L., Mohapatra, T. (2022). Identification of microRNAs That Provide a Low Light Stress Tolerance-Mediated Signaling Pathway during Vegetative Growth in Rice. Plants, 11: 2558	10
135	Shasmita, Swain, B.B., Naik, S.K., Mohapatra, P.K. and Mukherjee, A.K. (2022). Biopriming for induction of disease resistance against pathogens in rice. Planta 255: 113(2022); https://doi.org/10.1007/s00425-022-03900-8	9.6
136	Singh T, Bana RS, Satapathy BS, Lal B, Yogi AK and Singh R (2022). Energy Balance, Productivity and resource-use efficiency of diverse sustainable intensification options of rainfed lowland rice systems under different fertility scenarios. Sustainability,14,3657.https://doi.org/10.3390/su14063657	9.9
137	Singh, A.K., Keshava, Roy Burman, R., Paul, S.,Som, S., Kumar, A. et al. (2022). Use and Effectiveness of Neem Coated Urea: A Pan-India Exploration. Indian Journal of Agricultural Sciences. 92(3): 362-366	6.3
138	Singh, D. and Bapatla, K.G., 2022. Toxicity and lethal effects of herbaceous plant crude extracts against *Spodoptera litura*. *The Journal of Basic and Applied Zoology*, *83* (1), p.8	7.1
139	Singh, S. K., Jagadev, P. N., Katara, J. L., Jeughale, K., Samantaray, S., Bastia, D. N., Parameswaran, C. (2022). Correlation study of yield and yield related traits of doubled haploid rice lines (*Oryza sativa* L.). *The Pharma Innovation Journal*,11(2): 468-471	NA
140	Soumia PS, Shirsat DV, Krishna R, Guru-Pirasanna-Pandi Govindharaj, Choudhary JS, Naaz N, Karuppaiah V, Gedam PA, Anandhan S and Singh M. 2022. Unfolding the mitochondrial genome structure of green semilooper (*Chrysodeixis acuta* Walker): An emerging pest of onion (*Allium cepa* L.). *PloS One* 17(8): e0273635.	8.9
141	Sujithra M, Rajkumar M, Mhatre P and Guru-Pirasanna-Pandi Govindharaj. 2022. Biocontrol potential of native entomopathogenic nematodes against coconut rhinoceros beetle, Oryctes rhinoceros (L.) (Coleoptera: Scarabaeidae) under laboratory conditions. Egyptian Journal of Biological Pest Control 32: 88.https://doi.org/10.1186/s41938-022-00587-7	8.1
142	Sujithra, M., Rajkumar, M., Hegde, V., Subramanian, P., &Guru-Pirasanna-Pandi G. 2022. Nylon nets: a simple pest exclusion barrier technique to manage rhinoceros beetle menace in coconut plantations. International Journal of Pest Management, 1-8. https://doi.org/10.1080/09670874.2022.2046297	7.1
143	Susmitha T, Bagchi TB, Deb BS, Biswas T, Adak T, Banerjee H, Pal S. (2022). Evaluation of colour, texture and nutritional properties of Pigmented Rice based Fermented Steamed Food- Idli. Food Chemistry Advances 1:100021	NA
144	Tadela Susmitha Torit Baran Bagchi, B Singh Deb, Tufleuddin Biswas, Totan Adak, Hemanta Banerjee, Srikumar Pal (2022) Evaluation of colour, texture and nutritional properties of Pigmented Rice Based Fermented Steamed Food-Idli. Food Chemistry Advances; 1:100021; https://doi.org/10.1016/j.focha.2022.100021	NA
145	Tiwari RK, Kumar R, Lal MK, Kumar A, Altaf MA, Devi R, Mangal V, Naz S, Altaf MM, Dey A, Aftab T. (2022). Melatonin-Polyamine Interplay in the Regulation of Stress Responses in Plants. Journal of Plant Growth Regulation. 42: 4834-4850. https://doi.org/10.1007/s00344-022-10717-y.	10.64
146	Tripathi, R., Moharana, K.C., Mohanty, S., Pattnaik, S., Chatterjee, D., Swain, C.K., Kumar, A., Nayak, P.K., Panda, B.B., Bhaduri, D. and Munda, S., 2022.	9.2

	Impact of Land Use and Land Cover Change on Ecosystem Services in Eastern Coast of India. *International Journal of Environmental Research*, 16(1), pp.1-18	
147	Verma BC, Mandal NP, Roy S, Prasad SM and Banerjee A (2022) Effect of nutrient management strategies on productivity in rice-pigeon pea intercropping under drought prone rainfed ecology of Eastern India .*Oryza*, 59(1). 83-89	5.08