

**LIST OF PUBLICATION OF RESEARCH PAPERS  
FROM APRIL, 2019 TO MARCH, 2020 (2019-20)**

Sl. No.	Name of Authors and Journal with Title of published paper	NAAS rating
1.	Alam, M.M., Suman, S. N., Kumar, Anand, Nand, M.M. and Prabhakar, D.K., (2019) Carbon dynamics under long term integrated nutrient management. <i>Journal of Pharmacognosy and Phytochemistry</i> 8(5):347-350.	5.21
2.	Alpana Kusum, Shankar Jha, S. S. Prasad and S. P. Singh. 2020. Micronutrient Availability as Influenced by Household Waste based Vermicompost Application in Calcareous Soil of Bihar during Rice Growth Period. <i>Int.J.Curr.Microbiol.App.Sci.</i> 9(02): 960-966. doi: <a href="https://doi.org/10.20546/ijemas.2020.902.112">https://doi.org/10.20546/ijemas.2020.902.112</a>	5.38
3.	Alpana Kusum, Shankar Jha, SS Prasad and SP Singh 2020 Effect of household waste based vermicompost and fertilizer on phosphorus and potassium mineralization in calcareous soil of Bihar. <i>International Journal of Chemical Studies</i> 8(1): 2094-2098 DOI: <a href="https://doi.org/10.22271/chemi.2020.v8.i1ae.8575">https://doi.org/10.22271/chemi.2020.v8.i1ae.8575</a>	5.31
4.	Anand Kumar, Santosh Kumar Singh, Mani MeshaNand, Md. MahtabAlam and Deepak Kumar Prabhakar (2019). Aggregate associated phosphorus and zinc affected by long term crop residue incorporation and initial zinc application in calcareous soil. <i>Journal of Pharmacognosy and Phytochemistry</i> 2019; 8(6): 1316-1318.	5.21
5.	Aradhna Kumari, R. K. Sairam and Santosh Kumar Singh (2019). Nutrient content in grain and straw of different wheat genotypes as affected by moisture stress. <i>Int. J. Curr. Microbiol. App. Sci.</i> 8 (2): 1977-1988.	5.38
6.	Aradhna Kumari, Santosh Kumar Singh and IM Khan. (2020). Effect of various exogenous salicylic acid concentration on wheat seed germination. <i>International Journal of Chemical Studies</i> 2020; 8(1): 2302-2305	5.31
7.	Atul Kumar, D. K. Das and Santosh Kumar Singh. (2019). Variation in key soil properties after eleven years of poplar plantation in calciorthents of Bihar. <i>Range Management and Agroforestry.</i> 40 (2): 269-275.	6.10
8.	Avinash Kumar, Ashutosh Kumar, N. K. Singh, Rajesh Kumar, S. K. Singh, Nilanjaya, Mithilesh Kumar Singh and Santosh Kumar Singh(2019). Descriptive Statistics and Heritability for Agronomic Traits and Grain Micronutrient Content in Rice( <i>Oryza sativa</i> L.). <i>Current Journal of Applied Science and Technology</i> 38(6): 1-10	5.32
9.	Bibha Rani and V. K. Sharma (2019) Microsatellite (SSR) markers assisted characterization of rice ( <i>Oryza sativa</i> L.) genotypes in relation to salt tolerance. <i>Indian J. Biotechnol.</i> , <b>18</b> : 151-163.	6.34
10.	Chaudhary S. S., V. K. Sharma, Pankaj Kumar and M. Kumar (2020) Molecular profiling in relation to drought tolerance in advance breeding lines of rice using microsatellite markers. <i>J. Plant Biochem. &amp; Biotechnol.</i> , <b>29</b> : 36-46. <a href="https://doi.org/10.1007/s13562-019-00509-z">https://doi.org/10.1007/s13562-019-00509-z</a> .	7.04
11.	Chiranjeeb Kumar, Prasad S. S., <b>Singh S. P.</b> , Bharati Vikram, and Jha Sankar. 2020. Effect of Household Vermicompost and Fertilizer on Soil Microbial Biomass Carbon, Biomass Phosphorus and Biomass Nitrogen in Incubation Experiment. <i>International Journal of Current Microbiology and Applied Sciences.</i>	

	9(2):1508-1514	
12.	Das, R, Sahoo, S., Singh, H., Suman, S.N., and Singh P. (2019) Humus pesticide interaction: The fate of pesticide in soil environment: An overview. <i>International Journal of Chemical Studies</i> . 7(3): 3117-3125.	5.31
13.	DN Shukla and <b>S. K. Singh</b> (2019) An Extensive Work on Roving Survey of Panama wilt Disease ( <i>Fusarium oxysporum</i> f. sp. <i>cubense</i> ) of Banana in Bihar. <i>International Journal of Current Microbiology and Applied Sciences</i> (ISSN: 2319-7706) Volume 8 Number 07 (2019)	5.38
14.	DN Shukla and <b>SK Singh</b> (2019) Effect of different aqueous plant extracts against the various isolates of <i>Fusarium oxysporum</i> f.sp. <i>cubense</i> causing Panama wilt of banana. <i>International Journal of Chemical Studies</i> 2019; 7(4): 2759-2764	5.31
15.	Geeta Kumari, S.K. Thakur, Vipin Kumar, Navnit Kumar and S.K. Singh (2019) Long term effect of fertilizer, farm-yard manure and lime on yield sustainability and soil organic carbon pools under soybean ( <i>Glycine max</i> )–wheat ( <i>Triticum aestivum</i> ) cropping system in alfisol. <i>Journal of Soil and Water Conservation</i> 18(2): 196-204	5.08
16.	Gitajali and Sarla Lakhawat (2019) Determination of Physical and functional Properties of orange fleshed Sweet Potato ( <i>Ipomea batatas</i> ) flour. <i>International Journal of Chemical Studies</i> . 7, (4): 420-425.	5.31
17.	Gitanjali and Dr. Vishakha Singh, (2020) Development and nutritional evaluation of low glycemic index recipe from ragi and pulses for diabetes . <i>Internal Journal of Chemical Studies</i> ,8 (2), -2737-274	5.31
18.	Gupta, PK , Chitara, MK and <b>Singh SK</b> (2020) Antagonism of native and commercial <i>Trichoderma</i> spp. Against <i>Fusarium solani</i> isolates causing root rot of Papaya ( <i>Carica papaya</i> L.) <i>International Journal of Current Microbiology and Applied Sciences</i> 9(2)1260-1269	5.38
19.	Heena Saheewala, V. K. Sharma and V. K. Shahi (2019) Molecular characterization and genetic divergence analysis of traditional and improved aromatic rice varieties using microsatellite markers. <i>Indian J. Plant Genet. Resour.</i> , <b>32</b> (3): 377-384.	5.12
20.	Jha, C.K., Sinha, S.K., Thakur, S, K. And <b>Vipin Kumar</b> (2019) Soil properties, productivity and juice quality of sugarcane through integration of organic and inorganic nutrient sources in calcareous soil. <i>International Journal of Chemical Studies</i> 6: 297-302.	5.31
21.	Jha, C.K., <b>Vipin Kumar</b> and Thakur, S.K. (2019) Integrated effect of sugarcane trash mulch, pressmud and Zn nutrition on soil fertility and productivity of sugarcane in calcareous soil. <i>Journal of Agri Search</i> , 6: 4-7.	4.41
22.	Kumar, V, Rupali, Suman, S.N., Laik, and Borpatragohain, B. (2019) Effect of different levels of zinc on zinc efficiency for maize genotypes under calcareous soil. <i>Journal of Pharmacognosy and Phytochemistry</i> SP5: 241-246.	5.21
23.	Kumar, V., Prasad, R.K. Suman, S.N. and Dash, B.P. (2019) Uptake of cadmium by rice crop in sewage irrigated soil. <i>Oryza</i> , 56(3): 325-332.	4.44
24.	Kumar, V; J. C. Sharma, M. Kumar, S. K. Singh, and A. Kumar (2019). Mulches and nutrients affect the soil environment, crop performance and profitability of cauliflower. <i>The Journal of Animal &amp; Plant Sciences</i> , 29(1): 194-204	6.53
25.	Kumar, V, J. C. Sharma, M. Kumar, S. K. Singh, and A. Kumar (2019). Mulches and nutrients affect the soil environment, crop performance and profitability of cauliflower. <i>The Journal of Animal &amp; Plant Sciences</i> , 29(1): 194-204	6.53

26.	Kumari ,R., Pankaj Kumar, V. K. Sharma and Harsh Kumar (2020) Effect of culture media on seed germination and callus induction from cultured seeds of rice cultivars. <i>Res. J. Biotech.</i> , <b>15</b> : 33-40.	5.00
27.	Kumari Nidhi and V. K. Sharma (2019) Validation of microsatellite markers for discrimination of sterility maintainers and fertility restorers of wild abortive cytoplasmic male sterility in rice. <i>Indian Res. J. Genet. &amp; Biotech.</i> , <b>11</b> (2): 1-9.	4.95
28.	Kumari, Ranju; A. K. Singh and V. K. Sharma (2019) Isozyme pattern and morpho-agronomical traits based genetic divergence studies in maize ( <i>Zea mays</i> L.) inbreds. <i>CJAST</i> , <b>35</b> (1): 1-8. <a href="https://doi.org/10.9734/CJAST/2019/v35i130164">https://doi.org/10.9734/CJAST/2019/v35i130164</a> .	5.32
29.	Kumkum Kumari, Pankaj Kumar, V. K. Sharma and S. K. Singh (2019) Genomic marker assisted identification of genetic loci and genes associated with variation of grain zinc concentration in rice. <i>J. Genet.</i> <b>98</b> : 111. <a href="https://doi.org/10.1007/s12041-019-1144-8">https://doi.org/10.1007/s12041-019-1144-8</a> .	6.83
30.	Laik Ranjan, Singh Santosh Kumar, Kumar Vipin, <b>Singh S. P.</b> , Shukla Arvind, Nidhi and Yadav R. C. 2019. Zinc fertilization in rice-wheat cropping system under upland calcareous soil. <i>Journal of Plant Nutrition.</i> 42(3): 296-306 ( <a href="https://doi.org/10.1080/01904167.2018.1482916">https://doi.org/10.1080/01904167.2018.1482916</a> )	<b>6.75</b>
31.	Laik,R, Santosh Kumar Singh, Vipin Kumar, Kumara B. H., Nidhi, Anupama Kumari, Md. Sajid Hussain, Hemchandra Choudhary, Sudhanshu Singh and Virendra Kumar. Response of nutrients in submergence-prone rainfed low-land rice ecosystem with different flood histories. <i>Oryza</i> , 56 (1): 53-60.	4.44
32.	Lavanya Nallasamy and Usha Singh (2019), Development and evaluation of Ready to Use Infant Food Mixes for Young Children, <i>International Journal of Chemical Studies</i> , 7 (4): 1212 - 1216	5.31
33.	Lavanya Nallasamy, Usha Singh & Sunita Kumari (2019), A critical analysis of Diet Diversity among infants and young children aged 6-24 months. <i>International journal of Current Microbiology and Applied Sciences</i> , 8(8): 1068-1073	5.38
34.	Nand Mani Meshra, <b>Singh Shiveshwar Pratap</b> , Kumar Anand and Md. Mahtab Alam. 2019. Potassium fractions affected by split application of potassium in rice ( <i>Oryza</i> spp.) in calcareous soil of North Bihar. <i>International Journal of Chemical Studies</i> . 7(2): 964-966.	5.31
35.	Navnit Kumar and <b>Vipin Kumar</b> (2020) Production potential and nitrogen fractionation of sugarcane based cropping system as influenced by planting materials and nitrogen nutrition. <i>Sugar Tech.</i>	7.02
36.	Pal, R. K., <b>Singh, P.</b> , Pant, A. K., Tiwari, S., Maurya, S., and Singh, S. K., 2020. Effect of Nutrient Management and Crop Establishment Methods of Rice on Biological Properties of Soil. <i>Int. J. Curr. Microbiol. App. Sci.</i> 9(1): 1943-1951.	5.38
37.	Pal, R. K., <b>Singh, P.</b> , Pant, A. K., Tiwari, S., Maurya, S., Singh, S. K., and Ranjan, A., 2020. Influence of nutrient management and establishment methods on yield and economics of rice in calcareous soils of Bihar. <i>International Journal of Chemical Studies</i> ; 8(1): 104-108.	5.31
38.	Pallavi Kumari and Usha Singh, (2019) Nutritional evaluation of bun developed from Quality Protein Maize for nutritional security of rural people. <i>International Journal of Current Microbiology and Applied Sciences</i> . 8(12): 1-4	5.38
39.	Pepakayala Vara Lakshmi, Atul Kumar, Santosh Kumar Singh and Mukesh Kumar (2020). Effect of organics and rice-crop establishment methods on yield and nutritional performance of winter-maize. <i>Journal of Pharmacognosy and Phytochemistry</i> 2020; 9(1): 288-292.	5.21
40.	Prabhakar, D K., Singh, AK, Sarkar, S, Kumar, A and Kumar, R. (2019). Effect of	5.31

	grey water application on physicochemical properties of tomato growing soil. <i>J. Pharmacognosy and Phytochemistry</i> 8(3):3278-3280	
41.	Prabhakar, Deepak Kumar, Singh, A. K., Kumar, M., Sarkar, S. and Alam, M.M. (2019). Characterisation of grey water and its influence on some basic soil properties. <i>Int. J. Chemical studies</i> . 3(7): 3644-3647.	5.31
42.	Puja Kumari, V. K. Sharma and Nilanjaya (2019) Identification of genotype specific alleles and molecular divergence evaluation among potential donors for breeding of aerobic rice. <i>Res. J. Biotech.</i> , <b>14</b> : 118-129.	5.00
43.	Punya, V. K. Sharma, Pankaj Kumar and Ajay Kumar (2019) Agronomic characters and genomic markers based assessment of genetic divergence and its relation to heterotic performance in maize. <i>J. Env. Biol.</i> , <b>40</b> : 1094-1101.	6.56
44.	Sethi, Vani; Arti Bhanot, Sourav Bhattacharjee, Rajkumar Gope, Debyeet Sarangi, Vikash Nath, Nirmala Nair, <b>Usha Singh</b> others (2019) Integrated multisectoral strategy to improve girls' and women's nutrition before conception, during pregnancy and after birth in India (Swabimaan): protocol for a prospective, non-randomised controlled evaluation, <i>British Medical Journal, BMJ Open</i> 2019;9:e031632. doi:10.1136/bmjopen-2019-031632	--
45.	<b>Singh, P.</b> , Tiwari, S., Singh, S. K. and Pal, R. K., 2019. Sustainable rice production with nutrient expert as a tool for site specific nutrient management. <i>Journal of Pharmacognosy and Phytochemistry</i> ; SP5: 399-401.	5.21
46.	<b>Singh, P.</b> , Tiwari, S., Singh, S. K. and Pal, R. K., 2019. Sustainable rice production with nutrient expert as a tool for site specific nutrient management. <i>Journal of Pharmacognosy and Phytochemistry</i> ; SP5: 399-401.	5.21
47.	Sinha, S.K., <b>Vipin Kumar</b> and Prasad, R.K. (2019) Integrated effect of organic manure and azotobacter with inorganic fertilizer on soil properties, yield and quality of sugarcane plant-ratoon system under calcareous soil. <i>Journal of Pharmacognosy and Phytochemistry</i> Special Issue: 321-326.	5.21
48.	Suman, S.N., Ahmed, N. Datta, S.C., Manjaiah, K.M., Laik, R., Kumar, V. Das, T.K, and Kumar, R. (2019) Assessing Cation Exchange Capacity (CEC) in Old Alluvium Soils (Agro-climatic zone IIIB of Bihar) under Different Tillage and Management Practices. <i>Journal of Pharmacognosy and Phytochemistry</i> SP5:196-199.	5.21
49.	Suman, S.N., Ahmed, N. Datta, S.C., Manjaiah, K.M., Laik, R., Kumar, V. Das, T.K, and Kumar, R. (2019) Assessing Cation Exchange Capacity (CEC) in Old Alluvium Soils (Agro-climatic zone IIIB of Bihar) under Different Tillage and Management Practices. <i>Journal of Pharmacognosy and Phytochemistry</i> SP5:196-199.	5.21
50.	Suman, Sugandh; Bibha Rani; V. K. Sharma, H. Kumar and V. K. Shahi (2018) SSR marker based profiling and diversity analysis of mungbean [ <i>Vigna radiata</i> (L.) Wilczek] genotypes. <i>Legume Research</i> , <b>42</b> (6): 585-594. <a href="https://doi.org/10.18805/LR-3918">https://doi.org/10.18805/LR-3918</a> .	6.34
51.	<b>Vipin Kumar</b> , Prasad, R.K., Suman, S.N. and Dash, B.P. (2019) Uptake of cadmium by rice crop in sewage irrigated soil. <i>Oryza</i> 56(3): 325-332.	4.44
52.	<b>Vipin Kumar</b> , Rupali, Suman, S, N., Laik, R. and Borpatragohain, B. (2019) Effect of different levels of zinc on zinc efficiency for maize genotypes under calcareous soil. <i>Journal of Pharmacognosy and Phytochemistry</i> Special Issue: 241-246.	5.21