

# S P Jeevan Kumar

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/9120463/s-p-jeevan-kumar-publications-by-citations.pdf>

**Version:** 2024-04-25

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

96

papers

2,333

citations

29

h-index

46

g-index

103

ext. papers

2,841

ext. citations

4.8

avg, IF

5.79

L-index

| #  | Paper                                                                                                                                                                                                                                       | IF   | Citations |
|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 96 | Enzymatic transesterification of Jatropha oil. <i>Biotechnology for Biofuels</i> , <b>2009</b> , 2, 1                                                                                                                                       | 7.8  | 227       |
| 95 | Seed birth to death: dual functions of reactive oxygen species in seed physiology. <i>Annals of Botany</i> , <b>2015</b> , 116, 663-8                                                                                                       | 4.1  | 159       |
| 94 | Sustainable green solvents and techniques for lipid extraction from microalgae: A review. <i>Algal Research</i> , <b>2017</b> , 21, 138-147                                                                                                 | 5    | 153       |
| 93 | Modeling and optimization of anaerobic codigestion of potato waste and aquatic weed by response surface methodology and artificial neural network coupled genetic algorithm. <i>Bioresource Technology</i> , <b>2016</b> , 214, 386-395     | 11   | 100       |
| 92 | Green solvents and technologies for oil extraction from oilseeds. <i>Chemistry Central Journal</i> , <b>2017</b> , 11, 9                                                                                                                    |      | 93        |
| 91 | Circular economy aspects of lignin: Towards a lignocellulose biorefinery. <i>Renewable and Sustainable Energy Reviews</i> , <b>2020</b> , 130, 109977                                                                                       | 16.2 | 73        |
| 90 | A green approach for starch modification: Esterification by lipase and novel imidazolium surfactant. <i>Carbohydrate Polymers</i> , <b>2016</b> , 150, 359-68                                                                               | 10.3 | 67        |
| 89 | Utilization of Vegetable Wastes for Bioenergy Generation. <i>Agricultural Research</i> , <b>2012</b> , 1, 213-222                                                                                                                           | 1.4  | 65        |
| 88 | Microbial transformation of tannin-rich substrate to gallic acid through co-culture method. <i>Bioresource Technology</i> , <b>2005</b> , 96, 949-53                                                                                        | 11   | 60        |
| 87 | Integrated bioethanol and biomanure production from potato waste. <i>Waste Management</i> , <b>2016</b> , 49, 320-325                                                                                                                       | 8.5  | 57        |
| 86 | Effects of temperature, pH and additives on the activity of tannase produced by a co-culture of <i>Rhizopus oryzae</i> and <i>Aspergillus foetidus</i> . <i>World Journal of Microbiology and Biotechnology</i> , <b>2006</b> , 22, 207-212 | 4.4  | 53        |
| 85 | The role of renewable chemicals and biofuels in building a bioeconomy. <i>Biofuels, Bioproducts and Biorefining</i> , <b>2020</b> , 14, 830-844                                                                                             | 5.3  | 50        |
| 84 | Enzymatic depolymerization of <i>Ricinus communis</i> , a potential lignocellulosic for improved saccharification. <i>Biomass and Bioenergy</i> , <b>2011</b> , 35, 3584-3591                                                               | 5.3  | 49        |
| 83 | Enzymatic delignification: an attempt for lignin degradation from lignocellulosic feedstock. <i>RSC Advances</i> , <b>2015</b> , 5, 75281-75291                                                                                             | 3.7  | 45        |
| 82 | A strategic laccase mediated lignin degradation of lignocellulosic feedstocks for ethanol production. <i>Industrial Crops and Products</i> , <b>2016</b> , 92, 174-185                                                                      | 5.9  | 43        |
| 81 | Tannase production by <i>Bacillus licheniformis</i> . <i>Biotechnology Letters</i> , <b>2000</b> , 22, 767-769                                                                                                                              | 3    | 41        |
| 80 | Intervention of microfluidics in biofuel and bioenergy sectors: Technological considerations and future prospects. <i>Renewable and Sustainable Energy Reviews</i> , <b>2019</b> , 101, 548-558                                             | 16.2 | 40        |

|    |                                                                                                                                                                                                                           |     |    |
|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|----|
| 79 | Evaluation of physicochemical properties of enzyme treated brown rice (Part B). <i>LWT - Food Science and Technology</i> , <b>2008</b> , 41, 2092-2096                                                                    | 5-4 | 39 |
| 78 | Enzymatic polishing of rice [A new processing technology. <i>LWT - Food Science and Technology</i> , <b>2008</b> , 41, 2079-2084                                                                                          | 5-4 | 39 |
| 77 | Enhanced biodiesel production through phyco-myco co-cultivation of <i>Chlorella minutissima</i> and <i>Aspergillus awamori</i> : An integrated approach. <i>Bioresource Technology</i> , <b>2017</b> , 238, 502-509       | 11  | 36 |
| 76 | Enzyme mediated biomass pretreatment and hydrolysis: a biotechnological venture towards bioethanol production. <i>RSC Advances</i> , <b>2016</b> , 6, 61301-61311                                                         | 3-7 | 36 |
| 75 | Bioconversion of hemicelluloses of lignocellulosic biomass to ethanol: an attempt to utilize pentose sugars. <i>Biofuels</i> , <b>2017</b> , 8, 431-444                                                                   | 2   | 34 |
| 74 | Production of ethanol from lignocellulosics: an enzymatic venture. <i>EXCLI Journal</i> , <b>2011</b> , 10, 85-96                                                                                                         | 2-4 | 33 |
| 73 | Lipase mediated transesterification of <i>Simarouba glauca</i> oil: a new feedstock for biodiesel production. <i>Sustainable Chemical Processes</i> , <b>2013</b> , 1, 11                                                 |     | 32 |
| 72 | Partially consolidated bioprocessing of mixed lignocellulosic feedstocks for ethanol production. <i>Bioresource Technology</i> , <b>2017</b> , 245, 530-539                                                               | 11  | 32 |
| 71 | Optimization of extraction and purification of glucoamylase produced by <i>Aspergillus awamori</i> in solid-state fermentation. <i>Biotechnology and Bioprocess Engineering</i> , <b>2009</b> , 14, 60-66                 | 3-1 | 30 |
| 70 | Biodiesel from oleaginous microbes: opportunities and challenges. <i>Biofuels</i> , <b>2019</b> , 10, 45-59                                                                                                               | 2   | 30 |
| 69 | Production and optimization of microbial lipase. <i>Bioprocess and Biosystems Engineering</i> , <b>1998</b> , 19, 29                                                                                                      |     | 29 |
| 68 | Enhanced lipid extraction from oleaginous yeast biomass using ultrasound assisted extraction: A greener and scalable process. <i>Ultrasonics Sonochemistry</i> , <b>2019</b> , 52, 25-32                                  | 8-9 | 29 |
| 67 | Purification and biochemical characterization of a newly produced yellow laccase from <i>Lentinus squarrosulus</i> MR13. <i>3 Biotech</i> , <b>2015</b> , 5, 227-236                                                      | 2-8 | 28 |
| 66 | A green and sustainable approach on statistical optimization of laccase mediated delignification of sugarcane tops for enhanced saccharification. <i>Journal of Environmental Management</i> , <b>2018</b> , 217, 700-709 | 7-9 | 28 |
| 65 | A platform technology of recovery of lactic acid from a fermentation broth of novel substrate <i>Zizyphus oenophlia</i> . <i>3 Biotech</i> , <b>2015</b> , 5, 455-463                                                     | 2-8 | 26 |
| 64 | Nutraceuticals derived from seed storage proteins: Implications for health wellness. <i>Biocatalysis and Agricultural Biotechnology</i> , <b>2019</b> , 17, 710-719                                                       | 4-2 | 22 |
| 63 | Kinetics of solvent-free geranyl acetate synthesis by <i>Rhizopus oligosporus</i> NRRL 5905 lipase immobilized on to cross-linked silica. <i>Biocatalysis and Biotransformation</i> , <b>2009</b> , 27, 124-130           | 2-5 | 21 |
| 62 | Kinetic modelling of laccase mediated delignification of <i>Lantana camara</i> . <i>Bioresource Technology</i> , <b>2016</b> , 212, 47-54                                                                                 | 11  | 21 |

|    |                                                                                                                                                                                                           |      |    |
|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----|
| 61 | Biodepolymerization studies of low rank Indian coals. <i>World Journal of Microbiology and Biotechnology</i> , <b>2009</b> , 25, 1713-1720                                                                | 4.4  | 20 |
| 60 | Optimization of lipase production using differential evolution. <i>Biotechnology and Bioprocess Engineering</i> , <b>2010</b> , 15, 254-260                                                               | 3.1  | 20 |
| 59 | Laccase mediated delignification of pineapple leaf waste: an ecofriendly sustainable attempt towards valorization. <i>BMC Chemistry</i> , <b>2019</b> , 13, 58                                            | 3.7  | 17 |
| 58 | Varietal replacement rate: Prospects and challenges for global food security. <i>Global Food Security</i> , <b>2020</b> , 25, 100324                                                                      | 8.3  | 17 |
| 57 | Role of spacer length in interaction between novel gemini imidazolium surfactants and <i>Rhizopus oryzae</i> lipase. <i>International Journal of Biological Macromolecules</i> , <b>2015</b> , 81, 560-7  | 7.9  | 16 |
| 56 | Copolymerization of lactic acid for cost-effective PLA synthesis and studies on its improved characteristics. <i>Food Science and Biotechnology</i> , <b>2013</b> , 22, 73-77                             | 3    | 15 |
| 55 | Separate and simultaneous saccharification and fermentation of a pretreated mixture of lignocellulosic biomass for ethanol production. <i>Biofuels</i> , <b>2019</b> , 10, 61-72                          | 2    | 15 |
| 54 | Peptide enriched functional food adjunct from soy whey: A statistical optimization study. <i>Food Science and Biotechnology</i> , <b>2013</b> , 22, 65-71                                                 | 3    | 14 |
| 53 | Biodiesel Production From Lignocellulosic Biomass Using Oleaginous Microbes: Prospects for Integrated Biofuel Production. <i>Frontiers in Microbiology</i> , <b>2021</b> , 12, 658284                     | 5.7  | 14 |
| 52 | Microprojectile based particle bombardment in development of transgenic indica rice involving AmSOD gene to impart tolerance to salinity. <i>Plant Gene</i> , <b>2019</b> , 19, 100183                    | 3.1  | 13 |
| 51 | Extraction of bioactive compounds from <i>Psidium guajava</i> leaves and its utilization in preparation of jellies. <i>AMB Express</i> , <b>2021</b> , 11, 36                                             | 4.1  | 13 |
| 50 | Implications of reactive oxygen and nitrogen species in seed physiology for sustainable crop productivity under changing climate conditions. <i>Current Plant Biology</i> , <b>2021</b> , 26, 100197      | 3.3  | 13 |
| 49 | Food Biotechnology: A Step Towards Improving Nutritional Quality of Food for Asian Countries. <i>Recent Patents on Biotechnology</i> , <b>2016</b> , 10, 43-57                                            | 2.2  | 13 |
| 48 | Optimization of saccharification of enzymatically pretreated sugarcane tops by response surface methodology for ethanol production. <i>Biofuels</i> , <b>2019</b> , 10, 73-80                             | 2    | 13 |
| 47 | An innovative approach of mixed enzymatic venture for 2G ethanol production from lignocellulosic feedstock. <i>Energy Conversion and Management</i> , <b>2020</b> , 207, 112504                           | 10.6 | 12 |
| 46 | Enzyme mediated resistant starch production from Indian Fox Nut ( <i>Euryale ferox</i> ) and studies on digestibility and functional properties. <i>Carbohydrate Polymers</i> , <b>2020</b> , 237, 116158 | 10.3 | 12 |
| 45 | Immunotherapeutics for Covid-19 and post vaccination surveillance. <i>3 Biotech</i> , <b>2020</b> , 10, 527                                                                                               | 2.8  | 11 |
| 44 | Enzymatic polishing of cereal grains for improved nutrient retainment. <i>Journal of Food Science and Technology</i> , <b>2015</b> , 52, 3147-57                                                          | 3.3  | 11 |

|    |                                                                                                                                                                                                                                  |      |    |
|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----|
| 43 | Bioethanol production from cereal crops and lignocelluloses rich agro-residues: prospects and challenges. <i>SN Applied Sciences</i> , <b>2020</b> , 2, 1                                                                        | 1.8  | 11 |
| 42 | In silico optimization of enzyme mediated debittering of Assam lemon: biochemical and sensory evaluation studies. <i>Journal of Food Science and Technology</i> , <b>2019</b> , 56, 2233-2243                                    | 3.3  | 10 |
| 41 | Yellow Laccase-Mediated Lignin Degradation of Ricinus communis: A Future Agricultural Biomass for Biofuel Production. <i>Agricultural Research</i> , <b>2015</b> , 4, 309-318                                                    | 1.4  | 9  |
| 40 | Continuous cultivation strategy for yeast industrial wastewater-based polyhydroxyalkanoate production. <i>Journal of Bioscience and Bioengineering</i> , <b>2020</b> , 129, 595-602                                              | 3.3  | 9  |
| 39 | Phytochemical Profiling of Methanolic Fruit Extract of Ait. by LC-MS/MS Analysis and Evaluation of Its Antioxidant and Antimicrobial Activity. <i>Plants</i> , <b>2021</b> , 10,                                                 | 4.5  | 9  |
| 38 | Valorization of citrus lemon wastes through biorefinery approach: An industrial symbiosis. <i>Bioresource Technology Reports</i> , <b>2021</b> , 15, 100717                                                                      | 4.1  | 9  |
| 37 | Production of biodiesel utilizing laccase pretreated lignocellulosic waste liquor: An attempt towards cleaner production process. <i>Energy Conversion and Management</i> , <b>2019</b> , 196, 979-987                           | 10.6 | 8  |
| 36 | Delineation of Inheritance Pattern of Aleurone Layer Colour Through Chemical Tests in Rice. <i>Rice</i> , <b>2017</b> , 10, 48                                                                                                   | 5.8  | 8  |
| 35 | Enzymatic Peeling of Potato: A Novel Processing Technology. <i>Potato Research</i> , <b>2015</b> , 58, 301-311                                                                                                                   | 3.2  | 8  |
| 34 | Optimization of lipid enriched biomass production from oleaginous fungus using response surface methodology. <i>Indian Journal of Experimental Biology</i> , <b>2013</b> , 51, 979-83                                            |      | 7  |
| 33 | Biodiesel Production from Lignocellulosic Biomass Using Oleaginous Microbes <b>2017</b> , 65-92                                                                                                                                  |      | 5  |
| 32 | Nutrient Enrichment of Organic Manure Through Biotechnological Means. <i>Waste and Biomass Valorization</i> , <b>2017</b> , 8, 645-657                                                                                           | 3.2  | 5  |
| 31 | Comparative pretreatment method for efficient enzymatic hydrolysis of Salvinia cucullata and sewage treatment in ponds containing this biomass. <i>Clean Technologies and Environmental Policy</i> , <b>2014</b> , 16, 1787-1794 | 4.3  | 5  |
| 30 | MODELING AND OPTIMIZATION OF NUTRITIONALLY ENRICHED SOY WHEY GENERATION. <i>Journal of Food Process Engineering</i> , <b>2011</b> , 34, 1775-1792                                                                                | 2.4  | 5  |
| 29 | A novel approach for resistant starch production from green banana flour using amylopullulanase. <i>LWT - Food Science and Technology</i> , <b>2022</b> , 153, 112391                                                            | 5.4  | 5  |
| 28 | Biotransformation of hydrolysable tannin to ellagic acid by tannase from Aspergillus awamori. <i>Biocatalysis and Biotransformation</i> , <b>2017</b> , 35, 27-34                                                                | 2.5  | 4  |
| 27 | Role of Biotechnology in the Exploration of Soil and Plant Microbiomes <b>2020</b> , 335-355                                                                                                                                     |      | 4  |
| 26 | Application of Phenolic Extraction Strategies and Evaluation of the Antioxidant Activity of Peanut Skins as an Agricultural By-product for Food Industry. <i>Food Analytical Methods</i> , <b>2021</b> , 14, 2051-2062           | 3.4  | 4  |

|    |                                                                                                                                                                                                                                                                     |      |   |
|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---|
| 25 | Genome Editing: New Breeding Technologies in Plants <b>2019</b> , 245-285                                                                                                                                                                                           |      | 3 |
| 24 | Oleaginous Lipid: A Drive to Synthesize and Utilize as Biodiesel. <i>Green Energy and Technology</i> , <b>2020</b> , 105-129                                                                                                                                        |      | 3 |
| 23 | Biocontrol potential of <i>Pseudomonas stutzeri</i> endophyte from <i>Withania somnifera</i> (Ashwagandha) seed extract against pathogenic <i>Fusarium oxysporum</i> and <i>Rhizoctonia solani</i> . <i>Archives of Phytopathology and Plant Protection</i> , 1-18  | 1    | 3 |
| 22 | Delineation of molecular interactions of plant growth promoting bacteria induced $\beta$ ,3-glucanases and guanosine triphosphate ligand for antifungal response in rice: a molecular dynamics approach.. <i>Molecular Biology Reports</i> , <b>2021</b> , 49, 2579 | 2.8  | 3 |
| 21 | An Understanding of Bacterial Cellulose and Its Potential Impact on Industrial Applications <b>2018</b> , 437-458                                                                                                                                                   |      | 2 |
| 20 | Bioconversion of waste glycerol for enhanced lipid accumulation in <i>Trichosporon shinodae</i> . <i>Biomass Conversion and Biorefinery</i> , 1                                                                                                                     | 2.3  | 2 |
| 19 | A new insight on improved biomethanation using graphene oxide from fermented Assam lemon waste. <i>Fuel</i> , <b>2022</b> , 309, 122195                                                                                                                             | 7.1  | 2 |
| 18 | Assessment of Genetic Purity in Rice Using Polymorphic SSR Markers and Its Economic Analysis with Grow-Out-Test. <i>Food Analytical Methods</i> , <b>2021</b> , 14, 856-864                                                                                         | 3-4  | 2 |
| 17 | A Sustainable Process for Nutrient Enriched Fruit Juice Processing: An Enzymatic Venture <b>2018</b> , 387-400                                                                                                                                                      |      | 1 |
| 16 | Biotechnological Exploitation of Poly-Lactide Produced from Cost Effective Lactic Acid <b>2018</b> , 401-416                                                                                                                                                        |      | 1 |
| 15 | A New Perspective on Fermented Protein Rich Food and Its Health Benefits <b>2018</b> , 417-436                                                                                                                                                                      |      | 1 |
| 14 | Biocatalysts for Greener Solutions <b>2012</b> , 479-504                                                                                                                                                                                                            |      | 1 |
| 13 | Contribution of Metallic Nanomaterials in Algal Biofuel Production. <i>Environmental Chemistry for A Sustainable World</i> , <b>2021</b> , 331-353                                                                                                                  | 0.8  | 1 |
| 12 | Differential Diagnosis and Possible Therapeutics for Coronavirus Disease 2019. <i>Medical Virology</i> , <b>2020</b> , 51-71                                                                                                                                        | 6.6  | 1 |
| 11 | Apomixis: A Foresight from Genetic Mechanisms to Molecular Perspectives. <i>Botanical Review</i> , The, 1                                                                                                                                                           | 3.8  | 1 |
| 10 | Technologies for oil extraction from oilseeds and oleaginous microbes <b>2021</b> , 243-266                                                                                                                                                                         |      | 0 |
| 9  | Non-thermal plasmas for disease control and abiotic stress management in plants. <i>Environmental Chemistry Letters</i> , 1                                                                                                                                         | 13.3 | 0 |
| 8  | Dual enzyme treatment strategy for enhancing resistant starch content of green banana flour and in vitro evaluation of prebiotic effect. <i>LWT - Food Science and Technology</i> , <b>2022</b> , 160, 113267                                                       | 5.4  | 0 |

- 7 Molecular characterization and genetic diversity studies of Indian soybean (*Glycine max* (L.) Merr.) cultivars using SSR markers. *Molecular Biology Reports*, **2021**, 49, 2129 2.8 0
- 6 Data on optimization of microprojectile bombardment parameters in development of salinity tolerant transgenic lines. *Data in Brief*, **2020**, 29, 105305 1.2
- 5 Microalgae for Sustainable Fuel Technology **2019**, 101-108
- 4 Microfluidics in lipid extraction **2020**, 21-34
- 3 Wastes to Wealth for Bioenergy Generation **2022**, 211-231
- 2 Phylogenomics, Microbiome and Morphological Insights of Truffles: The Tale of a Sensory Stimulating Ectomycorrhizal Filamentous Fungus **2022**, 709-730
- 1 Genome Editing Crops in Food and Futuristic Crops **2022**, 401-445