

Charles Oluwaseun Adetunji

List of Publications by Year in Descending Order

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

144
papers

821
citations

16
h-index

25
g-index

150
ext. papers

1,185
ext. citations

3
avg, IF

5.14
L-index

#	Paper	IF	Citations
144	Diverse Techniques Applied for Effective Diagnosis of COVID-19 2022 , 45-58		1
143	Quantitative Estimation of Aflatoxin Level in Poultry Feed in Selected Poultry Farms.. <i>BioMed Research International</i> , 2022 , 2022, 5397561	3	0
142	A Study on the Application of Bayesian Learning and Decision Trees IoT-Enabled System in Postharvest Storage. <i>Internet of Things</i> , 2022 , 467-491	1.3	0
141	Potential of Plastic Waste in Enhancing the level of Pathogenicity of diverse Pathogens in the Marine Biota 2022 , 301-312		
140	eHealth, mHealth, and Telemedicine for COVID-19 Pandemic 2022 , 157-168		2
139	IoT-Driven Bayesian Learning: A Case Study of Reducing Road Accidents of Commercial Vehicles on Highways. <i>Internet of Things</i> , 2022 , 391-418	1.3	0
138	Role of biosurfactant in the destruction of pores and destabilization of the biological membrane of pathogenic microorganisms 2022 , 175-188		
137	Antibacterial and antifungal activities of lipopeptides 2022 , 189-204		1
136	Application of biosurfactant for the management of Plasmodium parasites 2022 , 159-173		
135	Isolation and Characterization of a Cholesterol-Lowering Bacteria from Bubalus bubalis Raw Milk. <i>Fermentation</i> , 2022 , 8, 163	4.7	3
134	Machine Learning Approaches for COVID-19 Pandemic 2022 , 133-143		1
133	Smart Sensing for COVID-19 Pandemic 2022 , 145-156		1
132	Image Reconstruction for COVID-19 Using Multifrequency Electrical Impedance Tomography 2022 , 359-405		
131	Internet of Health Things (IoHT) for COVID-19 2022 , 75-87		0
130	Tracing probiotic producing bacterial species from gut of buffalo (Bubalus bubalis), South-East-Asia.. <i>Brazilian Journal of Biology</i> , 2022 , 84, e259094	1.5	0
129	Enzymes Involved with Digestion of Animal Nutrition: Role and Their Biotechnological Application. <i>Soil Biology</i> , 2022 , 217-224	1	
128	The Process of Methanogenesis by Rumen Microorganisms: State of Art. <i>Soil Biology</i> , 2022 , 13-20	1	

127	Novel Microorganisms Involved in the Production of Sustainable Biogas Production. <i>Soil Biology</i> , 2022 , 123-130	1
126	Roles of Beneficial Microorganisms for the Effective Production of Commercial Animal Feed. <i>Soil Biology</i> , 2022 , 285-296	1
125	Biotechnology of Rumen Microorganisms: Recent Advances. <i>Soil Biology</i> , 2022 , 1-11	1
124	Modified Cassava: The Last Hope That Could Help to Feed the WorldRecent Advances 2021 , 203-219	1
123	Greener Composites from Plant Fibers: Preparation, Structure, and Properties 2021 , 1-19	
122	Nanomaterials and Nanocoatings for Alternative Antimicrobial Therapy 2021 , 1-17	
121	Nanomaterials from Agrowastes: Past, Present, and the Future 2021 , 1-17	1
120	Quinoa: From Farm to Traditional Healing, Food Application, and Phytopharmacology 2021 , 439-466	6
119	Recent Trends in Organic Farming 2021 , 507-545	5
118	Recent Advances in the Application of Biotechnology for Improving the Production of Secondary Metabolites from Quinoa 2021 , 373-396	5
117	Quinoa, The Next Biotech Plant: Food Security and Environmental and Health Hot Spots 2021 , 419-438	5
116	Nanopesticides, Nanoherbicides, and Nanofertilizers: The Greener Aspects of Agrochemical Synthesis Using Nanotools and Nanoprocesses Toward Sustainable Agriculture 2021 , 1-15	
115	Role of Pesticide Applications in Sustainable Agriculture 2021 , 235-256	
114	Benefits of Geochemistry and Its Impact on Human Health 2021 , 23-35	1
113	Applications of Geochemistry in Livestock: Health and Nutritional Perspective 2021 , 37-55	
112	Application in Geochemistry Toward the Achievement of a Sustainable Agricultural Science 2021 , 57-72	
111	Marine Polysaccharides: Properties and Applications 2021 , 423-439	0
110	Polysaccharides Derived From Natural Sources: A Panacea to Health and Nutritional Challenges 2021 , 701-738	

109 Self-Healing Polymers **2021**, 511-529

108 Nanofluids for Water Treatment **2021**, 503-523

2

107 Microalgae for Biodiesel Production **2021**, 429-445

1

106 Biofertilizer Utilization in Agricultural Sector **2021**, 293-307

1

105 Case Study on Biofertilizer Utilization in African Continents **2021**, 561-573

104 General principle of primary and secondary plant metabolites: Biogenesis, metabolism, and extraction **2021**, 3-23

1

103 Biochemical and pharmacotherapeutic potentials of lycopene in drug discovery **2021**, 307-360

3

102 Application of Biosensor for the Identification of Various Pathogens and Pests Mitigating Against the Agricultural Production: Recent Advances. *Concepts and Strategies in Plant Sciences*, **2021**, 169-189

0.5

6

101 Isolation, screening, and characterization of biosurfactant-producing microorganism that can biodegrade heavily polluted soil using molecular techniques **2021**, 53-68

3

100 Ecorestoration of soil treated with biosurfactant during greenhouse and field trials **2021**, 89-105

3

99 Hesperetin's health potential: moving from preclinical to clinical evidence and bioavailability issues, to upcoming strategies to overcome current limitations. *Critical Reviews in Food Science and Nutrition*, **2021**, 1-16

11.5

7

98 Climate Change and Pesticides: Their Consequence on Microorganisms. *Microorganisms for Sustainability*, **2021**, 83-113

1.1

6

97 High industrial beneficial microorganisms for effective production of a high quantity of biosurfactant **2021**, 279-297

2

96 Microbial Degradation of Chlorophenolic Compounds. *Environmental and Microbial Biotechnology*, **2021**, 313-349

1.4

95 Bioremediation of Polythene and Plastics Using Beneficial Microorganisms. *Microorganisms for Sustainability*, **2021**, 281-302

1.1

1

94 Recent Advances in the Application of Genetically Engineered Microorganisms for Microbial Rejuvenation of Contaminated Environment. *Microorganisms for Sustainability*, **2021**, 303-324

1.1

93 Bioaugmentation: A Powerful Biotechnological Techniques for Sustainable Ecorestoration of Soil and Groundwater Contaminants. *Microorganisms for Sustainability*, **2021**, 373-398

1.1

6

92 Artificial Intelligence and Internet of Things in Instrumentation and Control in Waste Biodegradation Plants: Recent Developments. *Microorganisms for Sustainability*, **2021**, 265-279

1.1

91	A Critical Review of Microbial Transport in Effluent Waste and Sewage Sludge Treatment. <i>Microorganisms for Sustainability</i> , 2021 , 217-238	1.1	5
90	Recent Trends in Utilization of Biotechnological Tools for Environmental Sustainability. <i>Microorganisms for Sustainability</i> , 2021 , 239-263	1.1	2
89	Overview of the traditional systems of medicine in different continents during postwar recovery 2021 , 37-52		0
88	Targeting SARS-CoV-2 Novel Corona (COVID-19) Virus Infection Using Medicinal Plants 2021 , 461-495		
87	Medicinal Plants Used in the Treatment of Pulmonary Hypertension 2021 , 317-339		
86	Application of molecular biotechnology to manage biotic stress affecting crop enhancement and sustainable agriculture. <i>Advances in Agronomy</i> , 2021 , 168, 39-81	7.7	
85	Nanomaterials for decontamination of organophosphorus compounds in soil 2021 , 301-315		
84	Application of nanoceutical technology for fast and efficient control of illness 2021 , 497-508		
83	Bioconversion of Poultry Waste into Added-Value Products. <i>Advances in Science, Technology and Innovation</i> , 2021 , 337-348	0.3	1
82	Recent Advances in the Utilization of Bioengineered Plant-Based Nanoparticles 2021 , 149-166		
81	Utilization of Microbial Biofilm for the Biotransformation and Bioremediation of Heavily Polluted Environment. <i>Microorganisms for Sustainability</i> , 2021 , 227-245	1.1	5
80	Application of Next-Generation Plant-Derived Nanobiofabricated Drugs for the Management of Tuberculosis 2021 , 81-100		
79	Mechanism of Actions Involved in Sustainable Eco restoration of Petroleum Hydrocarbons Polluted Soil by the Beneficial Microorganism. <i>Microorganisms for Sustainability</i> , 2021 , 189-206	1.1	0
78	Application of biosurfactant as a noninvasive stimulant to enhance the degradation activities of indigenous hydrocarbon degraders in the soil 2021 , 69-87		3
77	Strain improvement methodology and genetic engineering that could lead to an increase in the production of biosurfactants 2021 , 299-315		3
76	Pharmafoods for body cleansing of toxic exposure to chemical and biological warfare agents 2021 , 239-255		
75	Effect of hexavalent chromium on the environment and removal techniques: A review. <i>Journal of Environmental Management</i> , 2021 , 280, 111809	7.9	46
74	Toxicity of Nanoparticles in Biomedical Application: Nanotoxicology. <i>Journal of Toxicology</i> , 2021 , 2021, 9954443	3.1	25

73	Environmental implications of petroleum spillages in the Niger Delta region of Nigeria: A review. <i>Journal of Environmental Management</i> , 2021 , 293, 112872	7.9	10
72	Multiomics approach for mycotoxins toxicology 2021 , 69-95		
71	Biogenic Nanoparticles Based Drugs Derived from Medicinal Plants 2021 , 103-122		
70	Recent Advances in Application of Microbial Enzymes for Biodegradation of Waste and Hazardous Waste Material. <i>Microorganisms for Sustainability</i> , 2021 , 35-56	1.1	2
69	Application of biosurfactant for the production of adjuvant and their synergetic effects when combined with different agro-pesticides 2021 , 255-277		3
68	African Walnuts: A Natural Depository of Nutritional and Bioactive Compounds Essential for Food and Nutritional Security in Africa 2021 , 331-354		1
67	Medicinal Plants Used in the Treatment of Influenza A Virus Infections 2021 , 417-435		0
66	Ethnopharmacological properties of Asian medicinal plants during conflict-related blockades 2021 , 53-68		1
65	Sustainable Synthesis of Greener Nanomaterials: Principles, Processes, and Products 2021 , 1-23		
64	Nanosensors for detection and evaluation of organic compounds in soil 2021 , 205-219		0
63	Plastic-Eating Microorganisms: Recent Biotechnological Techniques for Recycling of Plastic. <i>Microorganisms for Sustainability</i> , 2021 , 353-372	1.1	1
62	Nanobubble technology for remediation of metal-contaminated soil 2021 , 427-441		
61	Biological, Biochemical, and Biodiversity of Biomolecules from Marine-Based Beneficial Microorganisms: Industrial Perspective. <i>Microorganisms for Sustainability</i> , 2021 , 57-81	1.1	8
60	Relevance of Biosensor in Climate Smart Organic Agriculture and Their Role in Environmental Sustainability: What Has Been Done and What We Need to Do?. <i>Concepts and Strategies in Plant Sciences</i> , 2021 , 115-136	0.5	10
59	Biochemical Role of Beneficial Microorganisms: An Overview on Recent Development in Environmental and Agro Science. <i>Microorganisms for Sustainability</i> , 2021 , 21-33	1.1	1
58	Application of Nanodrugs Derived from Active Metabolites of Medicinal Plants for the Treatment of Inflammatory and Lung Diseases: Recent Advances 2021 , 609-622		
57	Microbial Desalination. <i>Advances in Science, Technology and Innovation</i> , 2021 , 213-225	0.3	
56	Quercetin modulates granulosa cell mRNA androgen receptor gene expression in dehydroepiandrosterone-induced polycystic ovary in Wistar rats via metabolic and hormonal pathways. <i>Journal of Basic and Clinical Physiology and Pharmacology</i> , 2020 , 31,	1.6	2

55	Pesticides, History, and Classification 2020 , 29-42		18
54	Influence of eco-friendly phytotoxic metabolites from <i>Lasiodiplodia pseudotheobromae</i> C1136 on physiological, biochemical, and ultrastructural changes on tested weeds. <i>Environmental Science and Pollution Research</i> , 2020 , 27, 9919-9934	5.1	10
53	Insights on the anticancer potential of plant-food bioactives: A key focus to prostate cancer. <i>Cellular and Molecular Biology</i> , 2020 , 66, 250	1.1	2
52	Nanomaterials from Marine Environments: An Overview 2020 , 1-18		1
51	Effects of Toxicant from Pesticides on Food Security: Current Developments 2020 , 313-321		0
50	Aloe Species as Valuable Sources of Functional Bioactives 2020 , 337-387		2
49	Biotechnological Application of <i>Trichoderma</i> : A Powerful Fungal Isolate with Diverse Potentials for the Attainment of Food Safety, Management of Pest and Diseases, Healthy Planet, and Sustainable Agriculture. <i>Soil Biology</i> , 2020 , 257-285	1	
48	Phytochemical-Based Nanoparticles as Foes and Friends 2020 , 295-321		
47	In Silico Modeling as a Tool to Predict and Characterize Plant Toxicity 2020 , 367-378		
46	Recent Trends in the Utilization of Biosurfactant for the Treatment of Textile Waste and Industrial Effluents. <i>Nanotechnology in the Life Sciences</i> , 2020 , 481-500	1.1	
45	Bio-fertilizer from <i>Trichoderma</i> : Boom for Agriculture Production and Management of Soil- and Root-Borne Plant Pathogens 2020 , 245-256		2
44	Production of Next-Generation Biodiesel from High Yielding Strains of Microorganisms: Recent Advances. <i>Nanotechnology in the Life Sciences</i> , 2020 , 31-43	1.1	
43	Influence of Heavy Metal on Food Security: Recent Advances 2020 , 257-267		0
42	Nanomaterials: Applications in Biomedicine and Biotechnology 2020 , 1-18		
41	Potential Agrifood Applications of Novel and Sustainable Nanomaterials: An Ecofriendly Approach 2020 , 1-17		1
40	Health Benefits of Isoflavones Found Exclusively of Plants of the Fabaceae Family 2020 , 473-508		2
39	Exopolysaccharides Derived from Beneficial Microorganisms: Antimicrobial, Food, and Health Benefits 2020 , 147-160		6
38	Nexus Between Climate Change and Food Innovation Technology: Recent Advances 2020 , 289-299		4

37	Caffeine: Nutraceutical and Health Benefit of Caffeine-Containing Commodities and Products 2020 , 425-444		
36	Combination of essential oils in dairy products: A review of their functions and potential benefits. <i>LWT - Food Science and Technology</i> , 2020 , 133, 110116	5.4	18
35	Exopolysaccharides from bacteria and fungi: current status and perspectives in Africa. <i>Heliyon</i> , 2020 , 6, e04205	3.6	19
34	Mushrooms-Rich Preparations on Wound Healing: From Nutritional to Medicinal Attributes. <i>Frontiers in Pharmacology</i> , 2020 , 11, 567518	5.6	11
33	Rediscovering Medicinal Activity and Food Significance of Shogaol (4, 6, 8, 10, and 12): Comprehensive Review 2020 , 125-145		0
32	Effect of carbon-to-nitrogen ratio on eco-friendly mycoherbicide activity from <i>Lasiodiplodia pseudotheobromae</i> C1136 for sustainable weeds management in organic agriculture. <i>Environment, Development and Sustainability</i> , 2020 , 22, 1977-1990	4.5	6
31	Insights on the anticancer potential of plant-food bioactives: A key focus to prostate cancer. <i>Cellular and Molecular Biology</i> , 2020 , 66, 250-263	1.1	
30	Silver nanoparticle synthesis by extract: phytochemical screening, characterization, influence of operational parameters, and preliminary antibacterial testing. <i>Heliyon</i> , 2019 , 5, e02517	3.6	33
29	Allicin and health: A comprehensive review. <i>Trends in Food Science and Technology</i> , 2019 , 86, 502-516	15.3	62
28	Wild vegetable <i>Rumex acetosa</i> Linn.: Its ethnobotany, pharmacology and phytochemistry [A review. <i>South African Journal of Botany</i> , 2019 , 125, 149-160	2.9	14
27	Plants of the genus <i>Vitis</i> : Phenolic compounds, anticancer properties and clinical relevance. <i>Trends in Food Science and Technology</i> , 2019 , 91, 362-379	15.3	35
26	Phytochemicals in Prostate Cancer: From Bioactive Molecules to Upcoming Therapeutic Agents. <i>Nutrients</i> , 2019 , 11,	6.7	25
25	Apium Plants: Beyond Simple Food and Phytopharmacological Applications. <i>Applied Sciences (Switzerland)</i> , 2019 , 9, 3547	2.6	14
24	Influence of chitosan edible coating on postharvest qualities of <i>Capsicum annum</i> L. during storage in evaporative cooling system. <i>Croatian Journal of Food Science and Technology</i> , 2019 , 11, 59-66	0.8	6
23	Research and Development of Biopesticides: Challenges and Prospects. <i>Outlooks on Pest Management</i> , 2019 , 30, 267-276	1.7	11
22	Flavonoids Isolated from , an Underutilized Vegetable, Exert Monoamine A & B Inhibitory and Anti-inflammatory Effects and Their Structure-activity Relationship. <i>Turkish Journal of Pharmaceutical Sciences</i> , 2019 , 16, 437-443	1.1	5
21	Endophytic Microorganisms as Biological Control Agents for Plant Pathogens: A Panacea for Sustainable Agriculture 2019 , 1-20		1
20	Environmental Impact and Ecotoxicological Influence of Biofabricated and Inorganic Nanoparticle on Soil Activity 2019 , 221-239		2

19	Application of Nanoengineered Metabolites from Beneficial and Eco-friendly Microorganisms as a Biological Control Agents for Plant Pests and Pathogens 2019 , 273-302		2
18	Phytochemistry, pharmacology and perceived health uses of non-cultivated vegetable <i>Cyphostemma adenocaula</i> (Steud. ex A. Rich.) Desc. ex Wild and R.B. Drumm: A review. <i>Scientific African</i> , 2019 , 2, e00053	1.7	4
17	Natural Products and Synthetic Analogs as a Source of Antitumor Drugs. <i>Biomolecules</i> , 2019 , 9,	5.9	63
16	Potency of agricultural wastes in mushroom (<i>Pleurotus sajor-caju</i>) biotechnology for feeding broiler chicks (Arbor acre). <i>International Journal of Recycling of Organic Waste in Agriculture</i> , 2019 , 8, 37-45	3.1	11
15	Isolation, structural elucidation and bioherbicidal activity of an eco-friendly bioactive 2-(hydroxymethyl) phenol, from <i>Pseudomonas aeruginosa</i> (C1501) and its ecotoxicological evaluation on soil. <i>Environmental Technology and Innovation</i> , 2019 , 13, 304-317	7	27
14	Production of Phytotoxic Metabolites with Bioherbicidal Activities from <i>Lasiodiplodia pseudotheobromae</i> Produced on Different Agricultural Wastes Using Solid-State Fermentation 2018 , 42, 1163-1175		11
13	Environmental fate and effects of granular pest formulation from strains of <i>Pseudomonas aeruginosa</i> C1501 and <i>Lasiodiplodia pseudotheobromae</i> C1136 on soil activity and weeds. <i>Chemosphere</i> , 2018 , 195, 98-107	8.4	19
12	Isolation, identification, characterization, and screening of rhizospheric bacteria for herbicidal activity. <i>Organic Agriculture</i> , 2018 , 8, 195-205	1.7	11
11	Prolonging the shelf life of Agege Sweet Orange with chitosan-rhamnolipid coating. <i>Horticulture Environment and Biotechnology</i> , 2018 , 59, 687-697	2	25
10	Efficacy of crude and immobilized enzymes from <i>Bacillus licheniformis</i> for production of biodegraded feather meal and their assessment on chickens. <i>Environmental Technology and Innovation</i> , 2018 , 11, 116-124	7	17
9	Synergetic effect of rhamnolipid from <i>Pseudomonas aeruginosa</i> C1501 and phytotoxic metabolite from <i>Lasiodiplodia pseudotheobromae</i> C1136 on <i>Amaranthus hybridus</i> L. and <i>Echinochloa crus-galli</i> weeds. <i>Environmental Science and Pollution Research</i> , 2017 , 24, 13700-13709	5.1	32
8	Nutritional assessment of mycomeat produced from different agricultural substrates using wild and mutant strains from <i>Pleurotus sajor-caju</i> during solid state fermentation. <i>Animal Feed Science and Technology</i> , 2017 , 224, 14-19	3	14
7	Effect of <i>Lasiodiplodia pseudotheobromae</i> Isolates, a Potential Bioherbicide for <i>Amaranthus hybridus</i> L. in Maize Culture. <i>Notulae Scientia Biologicae</i> , 2017 , 9, 131-137	0.4	9
6	Characterization and optimization of a rhamnolipid from <i>Pseudomonas aeruginosa</i> C1501 with novel biosurfactant activities. <i>Sustainable Chemistry and Pharmacy</i> , 2017 , 6, 26-36	3.9	40
5	Effect of <i>Thaumatococcus daniellii</i> leaf rat-feed on potassium bromate induced testicular toxicity. <i>Asian Pacific Journal of Reproduction</i> , 2016 , 5, 500-505	1.1	7
4	Ex situ studies on <i>Macrotermes bellicosus</i> as a potential bioremediation tool of polluted dump soil sites for Sub Saharan Africa. <i>Soil and Sediment Contamination</i> , 1-19	3.2	0
3	Bionanomaterials for green bionanotechnology		7
2	Bionanomaterials for biosensor technology		6

- 1 Use of agro-wastes for *Lasiodiplodia pseudotheobromae* (C1136) production with sustainable bioefficacy. *Environment, Development and Sustainability*,1

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