



ST. ALOYSIUS' COLLEGE

AUTONOMOUS
JABALPUR- 482001
MADHYA PRADESH, INDIA

CRITERION-3

RESEARCH, INNOVATIONS AND EXTENSION

Key Indicator – 3.4

Research Publications and Awards

Metric No.: 3.4.6

Bibliometrics of the Publication

Document Name

Bibliometrics of the Publications Based on
h-index of the Institution





Research Publications and Awards

3.4.6 Bibliometrics of the publications during the last five years based on Scopus/Web of Science- h-index of the Institution

Title of the Paper	Name of the Author	Title of Journal	Year of Publication	H Index
Interferon- γ messenger rna level in peripheral blood mononuclear cells of naive bovines after foot-and-mouth disease virus vaccination and challenge	Dr. Laxmikant Pandey	<i>Buffalo Bulletin</i>	2019	11
Recombinant 3AB3 nonstructural protein-based indirect ELISA for detection of foot-and-mouth disease virus infection-elicited antibodies in goat		<i>Veterinary Research Communications</i>	2024	
Biohydrogen Production from Cellulosic Waste Biomass	Mr. Enosh Phillips	<i>Bioenergy Research: Evaluating Strategies for Commercialization and Sustainability,</i>	2021	2
Biobutanol Production and Advancement		<i>Bioenergy Research: Evaluating Strategies for Commercialization and Sustainability,</i>	2021	
Nanotechnological interventions in biofuel production		<i>Handbook of Biofuels,</i>	2022	
Microbial fuel cells: Whole-cell system for MFC, current trends, and		<i>Whole-Cell Biocatalysis: Next-Generation</i>	2024	



ST. ALOYSIUS' COLLEGE

(AUTONOMOUS), JABALPUR(M.P.)

Reaccredited 'A+' Grade by NAAC (CGPA 3.68/4.00)

College with Potential for Excellence (CPE) by UGC

DST-FIST Supported & Star College Scheme by DBT.

future prospects for the green energy		<i>Technology for Green Synthesis of Pharmaceutical, Chemicals, and Biofuels,</i>		
Prevalence of migraine in systemic lupus erythematosus: A meta-analysis	Dr. Anisha Rupashree	<i>Lupus</i>	2023	1
Analysis of endophytic microbes harboring in medicinal plants of Himalayan region with their medicinal properties		<i>Biocatalysis and Agricultural Biotechnology</i>	2023	
Isolation of bio-molecule Baicalein (5, 6, 7-Trihydroxy flavone) from root of <i>Oroxylum indicum</i> L. Vent and its prospective interaction with COVID-19 Viral S-Protein Receptor Binding Domain	Dr. Rumana Faraz	<i>Research Journal of Pharmacy and Technology</i>	2022	2
Enhancement in production of baicalein through transformation in <i>Oroxylum indicum</i> (L.) Vent by <i>Rhizobium rhizogenes</i>		<i>Vegetos</i>	2024	
Cytotoxic Effect of Cypermethrin and Neem Extract on Human Lymphocytes	Dr. Dayashankar Gautam	<i>Biomedical and Pharmacology Journal</i>	2022	2
Bacosides from <i>Bacopa monnieri</i> extract: An overview of the effects on neurological disorders	Dr. Durga Ray	<i>Phytotherapy Research</i>	2021	5
Biotechnological interventions of in vitro propagation and production of valuable secondary metabolites in <i>Stevia rebaudiana</i>		<i>Applied Microbiology and Biotechnology</i>	2021	



ST. ALOYSIUS' COLLEGE

(AUTONOMOUS), JABALPUR(M.P.)

Reaccredited 'A+' Grade by NAAC (CGPA 3.68/4.00)

College with Potential for Excellence (CPE) by UGC

DST-FIST Supported & Star College Scheme by DBT.

Podophyllum hexandrum and its active constituents: Novel radioprotectants		<i>Biomedicine and Pharmacotherapy</i>	2022	
The soil bacterium, <i>Corynebacterium glutamicum</i> , from biosynthesis of value-added products to bioremediation: A master of many trades		<i>Environmental Research</i>	2022	
Role of Polyamines in Molecular Regulation and Cross-Talks Against Drought Tolerance in Plants		<i>Journal of Plant Growth Regulation</i>	2023	
Bioremediation of melanoidin contamination in distillery effluent using <i>aspergillus brasiliensis</i>	Dr. Shikha Bansal	<i>Biotechnologia</i>	2020	3
<i>Fumaria indica</i> (L), a famous medicinal herb of tribal regions of Jabalpur, Madhya Pradesh: Broad spectrum antibacterial and phytochemical profiling against some pathogenic microorganisms		<i>Pharmacognosy Journal</i>	2020	
Thermo stable tyrosinase purified from <i>Pleurotus djamor</i> grown in biomimetic calcium carbonate: A biological strategy to industrial waste remediation		<i>Environmental Technology and Innovation</i>	2021	
Potential strategies for the management of drug-resistant tuberculosis	Dr. Juhi Sharma	<i>Journal of Global Antimicrobial Resistance</i>	2020	7
Nanoelements : An Agricultural Paradigm for Targeted Plant Nutrition Therapeutic Approach		<i>Nanotechnology for Agriculture, Crop Production and Protection</i>	2019	



ST. ALOYSIUS' COLLEGE

(AUTONOMOUS), JABALPUR(M.P.)

Reaccredited 'A+' Grade by NAAC (CGPA 3.68/4.00)

College with Potential for Excellence (CPE) by UGC

DST-FIST Supported & Star College Scheme by DBT.

Nanotechnology: A Novel Strategy Gainst Plant Pathogens		<i>Nanotechnology for Agriculture, Crop Production and Protection</i>	2019	
Legume Lectins: Potential use as a Diagnostics and Therapeutics Against the Cancer		<i>International Journal of Biological Macromolecules</i>	2020	
Potential Strategies for the Management of Drug-resistant Tuberculosis		<i>Journal of Global Antimicrobial Resistance</i>	2020	
Salting-out homogeneous liquid-liquid microextraction for the spectrophotometric determination of iodate in food grade salt	Dr. Manju Gupta	<i>Journal of Food Composition and Analysis</i>	2020	13
Dispersive liquid-liquid microextraction and diffuse reflectance-Fourier transform infrared spectroscopy for iodate determination in food grade salt and food samples		<i>Food Chemistry</i>	2022	
A rapid and green GC-MS method for the sampling of volatile organic compounds in spices and flowers by concurrent headspace single-drop microextraction and solid-phase microextraction		<i>Analytical Methods`</i>	2023	
Tumbling vial extraction of 2,4-dinitrophenylhydrazones of carbonyl compounds in bottled water, beer and milk using naphthalene-based magnetic polyimide as sorbent and HPLC-DAD		<i>Microchemical Journal</i>	2023	
Salting-out homogeneous liquid-liquid microextraction for the spectrophotometric			<i>Journal of Food Composition and Analysis</i>	2020



ST. ALOYSIUS' COLLEGE

(AUTONOMOUS), JABALPUR(M.P.)

Reaccredited 'A+' Grade by NAAC (CGPA 3.68/4.00)

College with Potential for Excellence (CPE) by UGC

DST-FIST Supported & Star College Scheme by DBT.

determination of iodate in food grade salt	Dr. Anjali D'Souza			
Aloe vera Loaded (Polyvinyl Alcohol) Cryogel: Potential Wound Healer		<i>Asian Journal of Chemistry</i>	2022	
Crystalline and absorption studies on cadmium sulphide doped polycarbonate composite	Dr. Nisha Pandey	<i>AIP Conference Proceedings</i>	2019	2
Crystalline properties of ZnO doped poly (methyl methacrylate) PMMA thin films		<i>AIP Conference Proceedings.</i>	2021	
A study of the optical band gap energy and urbach energy of fullerene (C ₆₀) doped PMMA nanocomposites	Dr. Kallol Das	<i>AIP Conference Proceedings</i>	2020	5
Variation of micro-hardness of titanium oxide doped poly (methyl methacrylate) composite samples with different annealing temperature	Dr. Poonam Pendke	<i>AIP Conference Proceedings</i>	2019	1
Study of dielectric relaxation and persistence of polarization in Polysulfone foils sensitized with Malachite Green using Transient discharging current		<i>AIP Conference Proceedings</i>	2019	
Best proximity point results with their consequences and applications		<i>Journal of Inequalities and Applications</i>	2022	1
Best Proximity Point and Existence of the Positive Definite Solution for Matrix Equations	Dr. Satyendra Jain	<i>International Journal of Analysis and Applications</i>	2023	



ST. ALOYSIUS' COLLEGE

(AUTONOMOUS), JABALPUR(M.P.)

Reaccredited 'A+' Grade by NAAC (CGPA 3.68/4.00)

College with Potential for Excellence (CPE) by UGC

DST-FIST Supported & Star College Scheme by DBT.

Results In B-Metric Spaces Endowed With The Graph And Application To Differential Equations		<i>Journal of Applied Mathematics and Informatics</i>	2023	
Special Pythagorean triangles with sum of their two legs as undecic	Dr. Mita Darbari	<i>International Journal of Innovative Technology and Exploring Engineering</i>	2019	2
Fortifying the messages		<i>International Journal of Scientific and Technology Research</i>	2019	
Special Pythagorean triangles and cryptography		<i>International Journal of Scientific and Technology Research</i>	2020	
Eight Extraordinary Pythagorean Triangles		<i>AIP Conference Proceedings</i>	2023	
Connection between primitive Pythagorean triangles and Mersenne primes		<i>AIP Conference Proceedings</i>	2024	