

SNo.	Name of the Department	Academic Year	Name of	Emp. ID	Name of Author's	First/ Corresponding / Co-	Title of paper	Name of Journal	Research Level	Date of	Impact
1	Amity Institute of Biotechnology	2021-2022	Archana Tiwari	300503	Thomas Kiran Marella, Raya Bhattacharya, Archana Tiwari	Corresponding author	Impact of organic carbon acquisition on growth and functional biomolecule production in diatoms	Microbial Cell Factories	International	15-07-2021	5.28
2	Amity Institute of Biotechnology	2021-2022	Debarati Paul	7039	Sweta Sinha, Gunjan Singh, Debarati Paul	Corresponding author	Lipid and carotenoid production by Rhodospirillum toruloides ATCC 204091 using C5 and C6 sugars obtained from lignocellulosic hydrolysate	Journal of Environmental Biology	International	02-07-2021	0.7
3	Amity Institute of Biotechnology	2021-2022	Debarati Paul	7039	Shalley Sharma, Chandrika Ghoshal, Anju Arora, Wara Samar, Lata Nain Debarati Paul,	Co author	Strain Improvement of Native Saccharomyces cerevisiae LN ITCC 8246 Strain Through Protoplast	applied Biochemistry and Biotechnology	International	01-08-2021	1.6
4	Amity Institute of Biotechnology	2021-2022	Riti Kapoor	2077	Riti Thapar Kapoor and Sivamani Selvaraju	Riti Thapar Kapoor	Exploring the potential of Eucalyptus citriodora biochar against direct red 31 dye and its phytotoxicity	Biomassconversion and Biorefinery	International	05-07-2021	4.9
5	Amity Institute of Biotechnology	2021-2022	Neeta Bhagat	1055	Gupta, N, Choudhary, S.K, Bhagat, N, Karthikeyan, M, Chaturvedi, A	Gupta N/Chaturvedi A	In Silico Prediction, Molecular Docking and Dynamics Studies of Steroidal Alkaloids of Holarrhena pubescens Wall. ex G. Don to Guanylyl Cyclase C: Implications in Designing of Novel Antidiarrheal Ther	Molecules	International	08-07-2021	4.411
6	Amity Institute of Biotechnology	2021-2022	Anupama Avasthi	6727	Anupama Sharma Avasthi, Navkiran Kaur, Shivani Sharda, Sabari Ghosal	First and Corresponding	An Insight into Antioxidant and Antimicrobial Activities of Ethnotherapeutically Important Trans Himalayan Medicinal Plants: A Review	Journal of Pharmaceutical Research International,	National	10-07-2021	
7	Amity Institute of Biotechnology	2021-2022	Manoranjan Nayak	305940	Ayusmita Ray, Manoranjan Nayak, Amit Ghosh	Corresponding author	"A review on co-culturing of microalgae: A greener strategy towards sustainable biofuels production"	Science of the Total Environment	International	20-08-2021	7.963
8	Amity Institute of Biotechnology	2021-2022	Riti Kapoor	2077	Riti Thapar Kapoor, Mohammed Danish, Ram Sharan Singh, Mohd Rafatullah and Abdul Khalil H. P. S	Riti Thapar Kapoor	Exploiting microbial biomass in treating azo dyes contaminated wastewater: Mechanism of degradation and factors affecting microbial efficiency	Journal of Water Process Engineering	International	05-08-2021	5.49
9	Amity Institute of Biotechnology	2021-2022	Nidhee Chaudhary	1319	Archana Lakshmi Kamaru, Nidhee Chaudhary	Nidhee Chaudhary	Role of Protein Tyrosine Phosphatase in Regulation of Cell Signaling Cascades Affecting Tumor Cell Growth: A Future Perspective as Anti- Cancer Drug Target	Current Pharmaceutical Biotechnology	International	03-08-2021	2.837
10	Amity Institute of Biotechnology	2021-2022	Navkiran Kaur	640	Anupama Sharma Awasthi, Navkiran kaur, Shivani Sharda, Shabri Ghosal	Co-author	An Insight into Antioxidant and Antimicrobial Activities of Ethnotherapeutically Important Trans Himalayan Medicinal Plants: A Review	Journal of Pharmaceutical Research International,	International	10-07-2021	
11	Amity Institute of Biotechnology	2021-2022	Kirti Sharma	2105	Anupama Sharma Awasthi, Navkiran kaur, Shivani Sharda, Shabri Ghosal	Co-author	An Insight into Antioxidant and Antimicrobial Activities of Ethnotherapeutically Important Trans Himalayan Medicinal Plants: A Review	Journal of Pharmaceutical Research International,	International	10-07-2021	
12	Amity Institute of Biotechnology	2021-2022	Archana Tiwari	300503	Raya Bhattacharjya, Pankaj Kumar Singh, Archana Tiwari	Corresponding Author	Aquaculture water as a source of sustainable growth medium for diatom cultivation and its nutritive suitability as a potential aqua feed	Environmental Technology & Innovation	International	28-09-2021	5.263
13	Amity Institute of Biotechnology	2021-2022	Archana Tiwari	300503	Thomas Kiran Marella, Abhishek Saxena, Archana Tiwari, Aviraj Datta, Sreenath Dixit	Corresponding Author	Treating agricultural non-point source pollutants using periphyton biofilms and biomass valorization	Treating agricultural non-point source pollutants using	International	01-01-2022	6.789
14	Amity Institute of Biotechnology	2021-2022	Archana Tiwari	300503	Abhishek saxena, Pankaj Kumar Singh, Amit Bhatnagar, Archana Tiwari	Corresponding Author	Growth of marine diatoms on aquaculture wastewater supplemented with nanosilica	Bioresource Technology	International	01-01-2022	9.642
15	Amity Institute of Biotechnology	2021-2022	Nidhee Chaudhary	1319	Priyanka Saxena, S. K. Khare, Nidhee Chaudhary	Nidhee Chaudhary	Superoxide Dismutase as Multipotent Therapeutic Antioxidant Enzyme: Role in Human Diseases.	Biotechnology Letters	International	06-10-2021	2.837
16	Amity Institute of Biotechnology	2021-2022	Archana	1097	Ms. Deepika, Dr. Archana Kumar	Corresponding	Status, pathogenicity of plant parasitic nematode: A	International Journal of	International	17-09-2021	No- RJIF
17	Amity Institute of Biotechnology	2021-2022	Archana	1097	Ms. Deepika, Dr. Archana Kumar	Corresponding	Management strategies for Meloidogyne species: A	International Journal of	International	17-09-2021	No- RJIF
18	Amity Institute of Biotechnology	2021-2022	Smriti Shrivastava	16055	B. Dutta, V K Nigan, A N Panja, Smriti Shrivastava Rajib Bhandopadhyay,	Co-author	Statistical optimisation of esterase from Salinicoccus roseus strain RF1H and its potential application in	Biotransformation and Biocatalysis	International	06-12-2021	2.18
19	Amity Institute of Biotechnology	2021-2022	Tuhin Rashmi	1127	Hema S Chauhan	co-author	"Impact of vte4 and crtRB1 genes on composition of vitamin-E and provitamin-A carotenoids during kernel-	Journal of Food Composition and Analysis	International	01-01-2022	4.556
20	Amity Institute of Biotechnology	2021-2022	Riti Kapoor	2077	Riti Thapar Kapoor	Corresponding Author	Nitric oxide and spermidine alleviate arsenic-induced oxidative damage in Cicer arietinum by modulating glyoxalase and antioxidant defense system	Functional Plant Biology	International	19-11-2021	3.1
21	Amity Institute of Biotechnology	2021-2022	Archana Tiwari	300503	Pankaj Kumar Singh, Raya Bhattacharjya, Abhishek Saxena, Indu Shekhar Thakur, Archana Tiwari	Dr. Archana Tiwari	Envisaging the role of pharmaceutical contaminant 17- β estradiol on growth and lipid productivity of marine diatom Chaetoceros gracilis	Bioresource Technology	International	01-01-2022	9.642
22	Amity Institute of Biotechnology	2021-2022	Anupama Avasthi	6727	Aakriti Jain 2, Shivani Sharda 1 and Anupama Sharma Avasthi	corresponding author	OPUNTIA FICUS-INDICA: ESCALATING FROM FARM TO PHARMACOLOGICAL ACTIONS	International Journal of Pharmaceutical Sciences and	International	01-12-2021	

23	Amity Institute of Biotechnology	2021-2022	Shashi Sharma	6835	Sam Joy & Shashi Sharma	Shashi Sharma	" Antimicrobial Applications of Rhamnolipid Biosurfactant Produced from Achromobacter sp. (PS1) Isolate Using Lignocellulosic Hydrolysate"	Letters in Applied NanoBioScience	International	19-12-2021	
24	Amity Institute of Biotechnology	2021-2022	Sohini Singh	1318	Gulab Chand, Tanu Allen, Sohini Singh, Firoz Hossain	Co-author	Composition of lysine and tryptophan among biofortified-maize possessing novel combination of	Journal of Food Composition and Analysis	International	04-01-2022	4.556
25	Amity Institute of Biotechnology	2021-2022	Rachana Singh	1146	Kavya Bisaria, Kavya Bisaria, Shikha Wadhwa, Ashish Mathur, Souradeep Roy, Ashwani Dixit & Rachana Singh	Corresponding Author	New bismuth oxyiodide/chitosan nanocomposite for ultrasonic waves expedited adsorptive removal of amoxicillin from aqueous medium: kinetic, isotherm and	Environmental Science and Pollution Research	International	07-01-2022	4.3
26	Amity Institute of Biotechnology	2021-2022	Smriti Shrivastava	16055	Kuldeep Kumar, Ekta Singh and Smriti Shrivastava	Corresponding Author's	Microbial Xylitol Production	Applied Microbiology and	International	28-01-2022	4.8
27	Amity Institute of Biotechnology	2021-2022	Pratima Chaudhuri	1111	Gagandeep Singh, Hemant Soni, Smriti Tandon, Vijay Kumar, Gajji Babu, Vandana Gupta, Pratima Bansal, H., Pravallika, V.S.S., Srivastava,	Gagandeep Singh	Identification of natural DHFR inhibitors in MRSA strains: Structure-based drug design study	Results in Chemistry	International	28-01-2022	0.5
28	Amity Institute of Biotechnology	2021-2022	Hina Chaurasia	1665	Ganjewala, D.	First Author	Bioactivity assessment of essential oils of Cymbopogon species using a network pharmacology approach	BIOLOGIA FUTURA	International	30-01-2022	0.821
29	Amity Institute of Biotechnology	2021-2022	Soom Raina	3765	Rani VR, Singh A, Kumar A, Sharma S, Raina SN	Co-Author	Deciphering species relationships between the wild and cultivated species of genus Medicago based on seed	Proceedings of National Academy of Sc sec B :	International	14-01-2022	0.96
30	Amity Institute of Biotechnology	2021-2022	Soom Raina	3765	Malik S, Babbar S, Chaudhary M, Sharma S, Raina SN, Babbar SB	Co-Author	Authentication and deciphering interrelationships of Hippophae species using DNA barcodes	The Nucleus	International	24-01-2022	0.6
31	Amity Institute of Biotechnology	2021-2022	Susmita Shukla	5280	Dr. Susmita Shukla	Dr Susmita Shukla, Ritupriya Singh	Efficient callus induction, regeneration, and uniformity assessment of Citrus Macroptera montr an endangered medicinal tree species of economical value	Plant Cell biotechnology and Molecular Biology	International	25-12-2021	0.3
32	Amity Institute of Biotechnology	2021-2022	Archana Tiwari	300503	Abhishek Saxena, Ankita Dutta, Neha Kapoor, Anoop Kumar, Archana Tiwari	Archana Tiwari	"Envisaging marine diatom Thalassiosira weissflogii as a "SMART" drug delivery system for insoluble drugs"	Journal of Drug Delivery Science and Technology	International	17-11-2021	3.981
33	Amity Institute of Biotechnology	2021-2022	Praveen Dahiya	2515	Shruti Rathore, Ayushi Varshney, Sumedha Mohan	Corresponding author	An innovative approach of bioremediation in enzymatic degradation of xenobiotics	Biotechnology and Genetic engineering Reviews	International	26-01-2022	4.04
34	Amity Institute of Biotechnology	2021-2022	Praveen Dahiya	2515	Ayushi Varshney, Anjay Sharma, Renu Pandey, Sumedha Mohan	Co-author	Fly ash application in soil for sustainable agriculture: an Indian overview	Energy, Ecology and Environment	International	31-01-2022	
35	Amity Institute of Biotechnology	2021-2022	Neeta Bhagat	1055	Yadav VK, Bhagat N, Sharma SK.Ā	V Yadav	Modulation in Plant Growth and Drought Tolerance of Wheat Crop upon Inoculation of Drought-tolerant-BacillusĀ Species Isolated from Hot Arid Soil of India.	Journal of Pure and Applied Microbiology	International	01-02-2022	0.77
36	Amity Institute of Biotechnology	2021-2022	Nahid M Siddiqui	1107	Sheikh Bilal Ahmad1, Shahzada Mudairs Rashid1 , Adil Farooq Wali2 , Shafat Ali3 , Muneeb U Rehman4, Mir Tahir Maqbool5 , Ahmed Nadeem6,	Co-author	Myricetin (3,30 ,40 ,5,50 ,7- hexahydroxyflavone) prevents ethanolinduced biochemical and inflammatory damage in the liver of Wistar rats	Human and Experimental Toxicology	International	01-02-2022	3.01
37	Amity Institute of Biotechnology	2021-2022	Pratima Chaudhuri	1111	Vaishali V Acharya, Anita Kamra Verma & Pratima Chaudhuri (Chattopadhyay)	Pratima Chaudhuri (Chattopadhyay) & Anita	"Chemical denaturants induced folding unfolding pathway of the recombinant zebrafish dihydrofolate	Indian Journal of Biochemistry & Biophysics	International	03-02-2022	1.918
38	Amity Institute of Biotechnology	2021-2022	Riti Kapoor	2077	Riti Thapar Kapoor, Manar Fawzi Bani Mfarrej, Pravej Alam, Jorg Rinklebe, Parvaiz Ahmad	First author	Accumulation of chromium in plants and its repercussion in animals and humans	Environmental Pollution	International	23-02-2022	8
39	Amity Institute of Biotechnology	2021-2022	Nahid Siddiqui	1107	ShalooĀ Verma, ShobitĀ Thapa, NahidĀ Siddiqui iHilloĀ Chakdar	Co-author	Cyanobacterial secondary metabolites towardsĀ improved commercial significance	World Journal of Microbiology and Biotechnology	International	13-04-2022	3.24
40	Amity Institute of Biotechnology	2021-2022	Nahid Siddiqui	1107	Rakesh Kumar Mishraa, Abdul Selimb, Vijayendran Gowri , Anas Ahmad , Ahmed Nadeem , Nahid Siddiqui , Syed Shadab Raza , Govindasamy	Co-author	Thiol-Functionalized Cellulose Grafted CopperOxide Nanoparticles for the Therapy of Experimental Colitis in Swiss Albino Mice	ACS Biomater. Sci. Eng	International	20-05-2022	4.7
41	Amity Institute of Biotechnology	2021-2022	Madhumita Ghosh	2066	Shikha Upreti, Seema Sen, Tapas Nag and Madhumita P.Ghosh	Corresponding author	Insulin like growth factor-1 works synergistically with dopamine to attenuate diabetic retinopathy by downregulating vascular endothelial growth factor	Biomedicine and Pharmacotherapy	International	01-05-2022	6.5
42	Amity Institute of Biotechnology	2021-2022	Ruchi Mani	2825	Kritie Agarwal, Dr Deepshikha Pande Katare	Corresponding	Foresee novel targets for Alzheimer's disease by investigating repurposed drugs	CNS & Neurological Disorders Drug Targets	International	22-06-2022	4.33
43	Amity Institute of Biotechnology	2021-2022	Nahid Siddiqui	1107	ShalooĀ Verma, ShobitĀ Thapa, NahidĀ Siddiqui iHilloĀ Chakdar	Co-author	Cyanobacterial secondary metabolites towardsĀ improved commercial significance	World Journal of Microbiology and Biotechnology	International	13-04-2022	3.24
44	Amity Institute of Biotechnology	2021-2022	Soom Raina	3765	Nath, S., Sarkar, S., Patil, S.D., Saha, P.S., Lekhak, M.M., Ray, S., Rao, S.R., Yadav, S.R., Verma, R.C., Dhar, M.K. and Raina, S.N	V R Rajpal	Cytogenetic Diversity in Scilloideae (Asparagaceae): a Comprehensive Recollection and Exploration of Karyo-Evolutionary Trends	Bot. Rev	International	18-05-2022	3.08
45	Amity Institute of Biotechnology	2021-2022	Soom Raina	3765	Rajpal, Vijay Rani, Shashi Sharma, Avinash Kumar, Shweta Chand, Lata Joshi, Atika Chandra, Sadhna Babbar, Shailendra Goel, Soom Nath Raina, and	VR Rajpal	Is Omicron mildā€? Testing this narrative with the mutational landscape of its three lineages and response to existing vaccines and therapeutic antibodies	Journal of Medical Virology	International	30-03-2022	2.3
46	Amity Institute of Biotechnology	2021-2022	Soom Raina	3765	VR Rajpal, S sharma, A kumar, S Vaishnavi, A Singh.D.Sehgal. M. Tiwari, S Goel. SN Raina	V R Rajpal	Mapping of SARS-CoV-2 spike protein evolution during first and second waves of COVID-19 infections in India	Future Virology	International	21-06-2022	1.8

47	Amity Institute of Biotechnology	2021-2022	Soom Raina	3765	V R Rajpal, SN Raina, S Sharma, S R Rao, A Chaudhary	VR Rajpal	Chromosome Complements and Karyological Studies in Medicago Species	Cytologia	International	17-05-2022	1.8
48	Amity Institute of Biotechnology	2021-2022	Rachana Singh	1146	Kavya Bisaria, Merry Gupta, Ashish Mathur, & Rachana Singh	Corresponding	Novel acoustic-activated alkali-functionalized <i>Trapa bispinosa</i> peel biochar for green immobilization of chlorpyrifos from wastewater: artificial intelligence modelling and experimental validation	Biomass conversion and biorefinery	International	07-06-2022	4.9
49	Amity Institute of Biotechnology	2021-2022	Rachana Singh	1146	Surbhi Sinha, Tithi Mehrotra, Naveen Kumar, Swati Solanki, Kavya Bisaria, Rachana Singh	Corresponding	A sustainable remediation of Congo red dye using magnetic carbon nanodots and <i>B. pseudomycoides</i> MH229766 composite: mechanistic	Environmental Science and Pollution Research	International	08-06-2022	4.2
50	Amity Institute of Biotechnology	2021-2022	Devalina Ray	301050	Vipin Kumar, Anjali Saxena, Ranjan Patra, Hong-Yu Li, Biswajit Saha*	Co-author	Synthesis of fused polycyclic α -carboline derivatives using Ugi-4CR followed by cascade cyclization	Molecular Diversity	International	02-06-2022	2.9
51	Amity Institute of Biotechnology	2021-2022	Neeta Bhagat	1055	VK Yadav, N Bhagat, SK Sharma.	Corresponding	Mitigation of drought stress in wheat (<i>Triticum aestivum</i> L.) by inoculation of drought tolerant <i>Bacillus paramycoides</i> DT-85 and <i>Bacillus paranthracis</i> DT-97.	Biomass conversion and biorefinery Environmental Science and Pollution	International	07-07-2022	4.9
52	Amity Institute of Biotechnology	2021-2022	Nahid Siddiqui	1107	Shaloo Verma, Shobit Thapa, Nahid Siddiqui, Hillo Chakdar	Co-author	Cellulose-Conjugated Copper-Oxide Nanoparticles for the Treatment of Ethanol-Induced Gastric Ulcers in	ACS Biomater. Sci. Eng.	International	05-05-2022	5.1
53	Amity Institute of Biotechnology	2021-2022	Ruchi Mani	2825	Kritie Agarwal, Deepshikha Pande Katare, Ruchi Jakhmola Mani	Corresponding	Foresee novel targets for Alzheimer's disease by investigating repurposed drugs.	CNS & Neurological Disorders Drug Targets	International	22-06-2022	2.82
54	Amity Institute of Biotechnology	2021-2022	Pratima Chaudhuri	1111	Vaishali V Acharya, Anita Kamra Verma & Pratima Chaudhuri (Chattopadhyay)	Pratima Chaudhuri (Chattopadhyay)	Ethanol and Acetic Acid induces conformational changes in zebrafish dihydrofolate reductase protein	Asian Journal of Chemistry	National	18-07-2022	0.535