

PUBLICATIONS IN LAST FIVE YEARS					
S. N o.	Title of paper	Name of the author/s	Name of journal	Year of publication	Link to the recognition in UGC enlistment of the Journal
1	Expression of heterologous heparan sulphate binding protein of Helicobacter pylori on the surface of Lactobacillus rhamnosus GG.	AK Yadav, SR Varikuti, A Kumar, M Kumar, N Debanth, H Rajkumar	3 Biotech	2023	DOI: 10.1007/s13205-022-03428-4
2	Geobacillus thermoleovorans MTCC 13131: An Amide-Hydrolyzing Thermophilic Bacterium Isolated from a Hot Spring of Manikaran.	A Kumar, R Shahul, R Singh, S Kumar, AK Yadav, PK Mehta	Ind. J Microbiol.	2022	doi: 10.1007/s12088-022-01042-9
3	Advanced diagnostic methods for identification of bacterial foodborne pathogens: Contemporary and upcoming challenges. .	S Panwar, N. Debnath, P Yadav, AK Yadav, A Kumar.	Critical Reviews in Biotechnology	2022	https://doi.org/10.1080/07388551.2022.2095253

4	Probiotics as a biotherapeutics for the management and prevention of respiratory tract diseases.	N. Debnath, A. Kumar, AK Yadav	Microbiology and Immunology	2022	10.1111/1348-0421.12980
5	Insight of oral vaccines as an alternative approach to health and disease management: An innovative intuition and challenges.	N. Debnath, M. Thakur, Khushboo, NP Negi, Vibhav Gautam, AK Yadav and D. Kumar	Biotechnology and Bioengineering.	2021	10.1002/bit.27987
6	Gut-microbiota derived bioactive metabolites and their functions in host physiology.	N. Debnath, R. Kumar, A. Kumar, PK Mehta, AK Yadav	Biotechnology and genetic engineering Reviews	2021	n
7	Detection and Management of Ergot Alkaloids and Their Therapeutic Applications.	Debnath, N., Yadav, P., Arora, S., & Yadav, A. K.	CRC PRESS	2023	10.1201/9781003242208-7
8	Occurrence, Detection, and Management of T-2 Toxin and HT-2	Yadav, P., Debnath, N., Arora, S., & Yadav, A. K.	CRC PRESS	2023	10.1201/9781003242208-6

	Toxin in Food and Feed.				
9	Detection of Myeloperoxidase Activity by Enzyme Linked Immunosorbent Assay.	adav, P., Debnath, N., Tyagi, A., Yadav, A.K. (2022)	Methods and Protocols in Food Science	2022	https://doi.org/10.1007/978-1-0716-2509-5_38
10	In Vivo Evaluation of Adhesion Properties of Probiotics.	Debnath, N., Yadav, P., Tyagi, A., Yadav, A.K.	Methods and Protocols in Food Science	2022	https://doi.org/10.1007/978-1-0716-2509-5_29
11	Modulation of gut microbiota by probiotic interventions: A potential approach toward alleviating food allergy.	Debnath, N., Yadav, A. K., & Kumar, A. (2022).	ELSVIER	2022	https://doi.org/10.1016/b978-0-323-91313-3.00004-0

1 2	Potential Correlation Between Homeostasis Control and Tumor Microenvironment Regulation of Probiotic as a Therapeutic Agent to Manage Gastrointestinal Cancer	Debnath, N., Yadav, A.K	Springer	2021	https://doi.org/10.1007/978-981-33-6236-9_7
1 3	Probiotic Microorganism: A Promising and Innovative Tool for Cancer Prevention and Therapy.	Debnath, N., Kumar Yadav, A., & Tyagi, A. (2021).	ELSVIER	2021	https://doi.org/10.1016/b978-0-12-822909-5.00012-5
1 4	Indigenous Probiotic Lactobacillus Strains to Combat Gastric Pathogen Helicobacter pylori: Microbial Interference Therapy.	Debnath, N., Yadav, A.K. (2021)	Springer	2021	https://doi.org/10.1007/978-981-33-6236-9_9

1 5	Indigenous Fermented Foods as a Potential Source of Probiotic Foods	Jain, S., Chatterjee, A., Panwar, S., Yadav, A.K., Majumdar, R.S., Kumar, A.	Springer	2021	https://doi.org/10.1007/978-981-15-6795-7_3
1 6	Metabolic Engineering Approaches for Improvement of Probiotics Functionality.	Jain, S., Chatterjee, A., Panwar, S., Yadav, A.K., Majumdar, R.S., Kumar, A.	Springer	2021	https://doi.org/10.1007/978-981-15-6795-7_10
1 7	Canagliflozin and Dapagliflozin Attenuate Glucolipototoxicity-Induced Oxidative Stress and Apoptosis in Cardiomyocytes via Inhibition of Sodium-Glucose Cotransporter-1.	D Dasari, A Bhat, S Mangali, T Ghatage, GP Lahane, D Sriram, A Dhar	ACS Pharmacology & Translational Science	2022	10.1021/acsptsci.1c00207

18	Assessing long non-coding RNAs in tobacco-associated oral cancer	MK Mishra, S Gupta, Shivangi and S Sehgal	Current Cancer Drug Targets	2022	https://dx.doi.org/10.2174/1568009622666220623115234
19	Advancs in molecular virology and diagnostics of HepatitisC virus	Sehga SI et al.	Malaysian Journal of Bichemistry and Molecular Biology	2022	https://drive.google.com/file/d/1xDOLfWBOc7BUBQTLbpmQJM XfPi8OQFpL/view?usp=sharing
20	Analysis of aberrant promoter methylation in Fibulin 1 gene in ESCC	Sehgal S et al.	Research Journal of Biotechnology	2022	https://drive.google.com/file/d/1rT7eGHQ5emEG_kPWTIzZFsW -UK5QeFJG/view?usp=sharing
21					
22	BCG Vaccination Program mitigates COVID19 Related Mortality: A Reality check.	Archana Pandita 1, A udesh Bhat 2, Anita Koul 3, Shashank K Singh	Curr Pharm Biotechnol	2021	10.2174/1389201022666210202142811

2 3	Evaluation of Newly Identified IKZF1 Loci in Colorectal Cancer.	Bhanu Sharma, Ruchi Shah, Rajeshwer Singh Jamwal, Sonali Verma, Amrita Bhat, Gulam Rasool Bhat, Divya Bakshi, Supinder Singh, Shabab Angurana, Audesh Bhat, Samantha Vaishnavi, Rakesh Kumar	Journal of Cancer Research and Therapeutics	2021	10.4103/jcrt.JCRT_844_20
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2 4	Genetic association of ARID5B with the risk of colorectal cancer within Jammu and Kashmir, India.	Bhanu Sharma, Shabab Angurana, Ruchi Shah, Sonali Verma, Amrita Bhat, GR Bhat, Divya Bakshi, Rajeshwer Singh Jamwal, Mukesh Tanwar, Supinder Singh, Audesh Bhat, Samantha Vaishnavi, Rakesh Kumar	Genes & Genetic Systems	2021	DOI: 10.1266/ggs.21-00010
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2 5	Inhibition of double stranded RNA dependent protein kinase (PKR) abrogates isoproterenol induced myocardial ischemia in vitro in cultured cardiomyocytes and in vivo in wistar rats	Sureshbabu Mangali, Audesh Bhat, Dharmarajan Sriram, Arti Dhar.	European Journal of Pharmacology	2021	10.1016/j.ejphar.2021.174223
2 6	Novel therapeutics for the treatment of hypertension and its associated complications: peptide- and nonpeptide-based strategies	Trupti Ghatage, Srashti Gopal Goyal, Arti Dhar, Audesh Bhat.	Hypertension Research	2021	10.1038/s41440-021-00643-z
2 7	Novel therapeutics for the treatment of hypertension and its associated complications: peptide- and nonpeptide-based strategies	Trupti Ghatage, Srashti Gopal Goyal, Arti Dhar, Audesh Bhat.	Hypertension Research	2021	10.1038/s41440-021-00643-z

28	Syzygium cumini (Jamun) fruit extracted phytochemicals exert anti-proliferative effect on ovarian cancer cells	Li L, Mangali S, Kour N, Dasari D, Sharma V, Dhar A, Bhat A.	Journal of Cancer Research and Therapeutics	2021	10.4103/jcrt.JCRT_210_20
29	Inhibition of double stranded RNA dependent protein kinase (PKR) abrogates isoproterenol induced myocardial ischemia in vitro in cultured cardiomyocytes and in vivo in wistar rats	Sureshbabu Mangali, Audesh Bhat, Dharmarajan Sriram, Arti Dhar.	European Journal of Pharmacology	2021	10.1016/j.ejphar.2021.174223
30	High fructose and streptozotocin induced diabetic impairments are mitigated by Indirubin-3-hydrazone via downregulation of PKR pathway in Wistar rats	Mary Priyanka Udumula, Sureshbabu Mangali, Jaspreet Kalra, Deepika Dasari, Srashti Goel,	Scientific Reports	2021	10.1038/s41598-021-92345-2

		Vandana Krishna, Srivarsha Reddy Bollareddy, Dharamrajan Sriram, Arti Dhar, Audesh Bhat.			
3 1	REV3L single nucleotide variants lead to increased susceptibility towards non-small cell lung cancer in the North Indian population of Jammu and Kashmir	Rajeshwer Singh Jamwal, Nikita Mahajan, Gh. Rasool Bhat, Amrita Bhat, Ruchi Shah, Sonali Verma, Minerva Sharma, Bhawani Sharma, Raies A. Qadri, Rakesh Kumar,	Cancer Epidemiology	2021	10.1016/j.canep.2021.102047

		Audesh Bhat.			
3 2	Role of Histone acetyltransferases MOF and Tip60 in Genome Stability	Ulfat Syed Mir, Audesh Bhat, Arjamand Mushtaq, Mohammad Altaf and Tej K. Pandita.	DNA Repair	2021	10.1016/j.dnarep.2021.103205
3 3	Quantitative real-time PCR for the analysis of viral load among Hepatitis C Virus positive patients attending the medical Out Patient Department at a north Indian tertiary care centre.	Sehgal S, Shivangi, kumar Manish	Research Journal of Biotechnology	2021	https://doi.org/10.25303/1706rjbt1390148

3 4	Interplay between two spin states determines the hydroxylation catalyzed by P450 monooxygenase from <i>Trichoderma brevicompactum</i> .	Razak Hussain, Rolly Yadav, Mushtaq Ahmed, Tabreiz Ahmad Khan, Devesh Kumar and Yusuf Akhter	Journal of Computational Chemistry	2020	DOI: 10.1002/jcc.26177
3 5	Fungal P450 monooxygenases- the diversity in catalysis and their promising roles in bio control activity.	Razak Hussain, Mushtaq Ahmed, Tabreiz Ahmad Khan and Yusuf Akhter	Applied Microbiology and Biotechnology	2020	https://doi.org/10-1016/j.ijbiomac .
3 6	Upregulation of PKR Pathway Mediates Glucolipototoxicity Induced Diabetic Cardiomyopathy In vivo in Wistar Rats and In vitro in Cultured Cardiomyocytes	Mangali S, Bhat A, Jadhav K, Kalra J, Sriram D, Venuganti V.V, Dhar A	Biochemical Pharmacology	2020	10.1016/j.heliyon.2020.e05463

37	SGLT1 inhibition boon or bane for diabetes-associated cardiomyopathy.	Kalra J, Mangali SB, Dasari D, Bhat A, Goyal S, Dhar I, Sriram D, Dhar A	Fundam Clin Pharmacol.	2020	10.1111/fcp.12516
38	PKR inhibitor imoxin prevents hypertension, endothelial dysfunction and cardiac and vascular remodelling in L-NAME-treated rats.	Kalra J, Dasari D, Bhat A, Mangali S, Goyal SG, Jadhav K, Dhar A.	Life Sciences	2020	10.1016/j.lfs.2020.118436
39	MassArray analysis of genomic susceptibility variants in ovarian cancer.	Verma S, Sharma I, Sharma V, Bhat A, Shah R, Bhat GR, Sharma B, Bakshi D, Nagpal A, Wakhloo A, Bhat A, Kumar R.	Scientific Reports	2020	10.1038/s41598-020-76491-7

4 0	Upregulation of PKR pathway mediates glucolipotoxicity induced diabetic cardiomyopathy in vivo in wistar rats and in vitro in cultured cardiomyocytes	Mangali S, Bhat A, Jadhav K, Kalra J, Sriram D, Vamsi Krishna Venuganti V, Dhar A	Biochem Pharmacol.	2020	10.1016/j.bcp.2020.113948
4 1	Genetic variants of DNAH11 and LRFN2 Genes and Their Association with Ovarian and Breast Cancer.	Verma S, Sharma V, Nagpal A, Bhat A, Bhat G R, Shah R, Wakhloo A, Suri J, Abrol D, Kaul S, Bhat A, Kumar R	International Journal of Gynecology & Obstetrics.	2020	10.1002/ijgo.12997
4 2	Bioethanol Production from Locally Growing Algal Biomass: A Promising and Cost-effective Approach.	Sehgal S, Shivangi, kumar Manish	Journal of Pharmaceutical Research International	2020	https://doi.org/10.9734/jpri/2021/v33i45A32707.

4 3	Diversification and antimicrobial potential of fungal endophytes of <i>B. aristata</i> , a medicinal shrub. Journal of Interdisciplinary Cycle Research.	Sharma S and Sehgal S	Journal of Interdisciplinary Cycle Research	2020	http://www.jicrjournal.com/VOLUME-XII-ISSUE-IX-SEPTEMBER-2020/141
4 4	Fungal acetyltransferases structures, mechanisms and inhibitors: A review,	Shikha Sharma, Mushtaq Ahmed and Yusuf Akhter	International Journal of Biological Macromolecules	2019	10.1016/j.ijbiomac.2019.11.214
4 5	DNA base excision repair genes variants rs25487 (X-ray repair cross-complementing 1) and rs1052133 (human 8-oxoguanine glycosylase 1) with susceptibility to ovarian cancer in the population of the Jammu region, India.	Verma S, Sharma V, Nagpal A, Bhat G R, Shah R, Wakhloo A, Suri J, Abrol D, Kaul S, Bhat A, Verma V, Kumar R	J Can Res Ther.	2019	10.4103/jcrt.JCRT_65_18

4 6	Genetic variant rs10937405 of TP63 and susceptibility to lung cancer risk in north Indian population.	Rasool Bhat GH, Bhat A, Verma S, Sethi I, Shah R, Sharma V, Minerva S, Bakshi D, Sharma B, Koul S, Abrol D, Bhat A, Kumar R	Journal of Genetics,	2019	https://doi.org/10.1007/s12041-019-1102-5
4 7	Inhibition of protein kinase R protects against palmitic acid-induced inflammation, oxidative stress, and apoptosis through the JNK/NF-kB/NLRP3 pathway in cultured H9C2 cardiomyocytes.	Mangali S, Bhat A, Udumula MP, Dhar I, Sriram D, Dhar A.	J Cell Biochem	2019	10.1002/jcb.27643

4 8	Selective Inhibition of PKR Improves Vascular Inflammation and Remodelling in High Fructose Treated Primary Vascular Smooth Muscle Cells	Kalra J, Mangali S, Bhat A, Jadhav K B, Dhar A.	Biochim Biophys Acta Mol Basis Dis.	2019	10.1016/j.bbadis.2019.165606
4 9	SGLT1 inhibition boon or bane for diabetes-associated cardiomyopathy	Kalra J, Mangali SB, Dasari D, Bhat A, Goyal S, Dhar I, Sriram D, Dhar A.	Fundam Clin Pharmacol.	2019	10.1111/fcp.12516
5 0	Progress and challenges in electrochemical sensing of volatile organic compounds using metal-organic frameworks.	Kumar P; Kim-K; Mehta PK; Lisak, LG.	Crit. Rev. Env. Sci. Tec.	2019	https://doi.org/10.1080/10643389.2019.1601489

5 1	Augmentation of cytochrome P450 monooxygenase catalysis on its interaction with NADPH-cytochrome P450 reductase FMN domain from <i>Trichoderma brevicompactum</i> .	Razak Hussain, Mushtaq Ahmed, Tabreiz Ahmad Khan and Yusuf Akhter	International Journal of Biochemistry and Cell Biology	2018	https://doi.org/10.1016/j.biocel.2018.08.007
5 2	The revelation of selective sphingolipid pathway inhibition mechanism on fumonisin toxin binding to ceramide synthases in susceptible organisms and survival mechanism in resistant species.	Shikha Sharma, Mushtaq Ahmed and Yusuf Akhter	Biochimie	2018	10.1016/j.biochi.2018.03.014
5 3	Pharmacological evaluation of novel PKR inhibitor indirubin-3-hydrazone in-vitro in cardiac myocytes and in-vivo in wistar rats.	Udumula MP, Bhat A, Mangali S, Kalra J, Dhar I, Sriram D, Dhar A.	Life Sciences	2018	https://doi.org/10.1016/j.lfs.2018.07.055

5 4	Imoxin attenuates high fructose-induced oxidative stress and apoptosis in renal epithelial cell via downregulation of PKR Pathway.		Fundam Clin Pharmacol.	2018	10.1111/fcp.12352
5 5	Volatile Constituents of Jambolan (Syzygium cumini L.) Fruits at three Maturation Stages and Optimization of HS-SPME GC-MS Method Using a Central Composite Design	Mehta PK; Galvo M S; Soares A C; Nogueira J P; Narain N.	Food Anal. Methods.	2018	https://doi.org/10.1007/s12161-017-1038-4
5 6	Catalytic diversity and homotropic allostery of two Cytochrome P450 monooxygenase like proteins from Trichoderma brevicompactum	Razak Hussain, Shikha Sharma, Indu Kumari, Mushtaq Ahmed, Tabreiz Ahmed Khan and	Journal of Biological Inorganic Chemistry	2017	DOI 10.1007/s00775-017-1496-6

		Yusuf Akhter			
5 7	Species specific substrates and products choices of 4-O-acetyltransferase from <i>Trichoderma brevicampactum</i> .	Shikha Sharma, Indu Kumari, Razak Hussain, Mushtaq Ahmed and Yusuf Akhter	Enzyme and Microbial Technology	2017	http://dx.doi.org/10.1016/j.enzmictec.2017.05.009
5 8	Evolution of catalytic microenvironment governs substrate and product diversity in trichodiene synthase and other terpene fold enzymes	Indu Kumari, Mushtaq Ahmed and Yusuf Akhter	Biochimie	2017	https://doi.org/10.1016/j.biochi.2018.03.014

59	Molecular Dynamics Simulations, Challenges and Opportunities: A Biologist's Prospective.	Indu Kumari, Padamini Sandhu, Mushtaq Ahmed and Yusuf Akhter	Current Protein and Peptide Science	2017	10.2174/1389203718666170622074741
60	Rev7, the regulatory subunit of Pol ζ , undergoes UV-induced and Cul4-dependent degradation.	Bhat A, Qin Z, Wang G, Chen W, Xiao W.	The FEBS Journal	2017	10.1111/febs.14088
61	High glucose impairs insulin signaling via activation of PKR pathway in L6 muscle cells.	Udumula MP, Babu MS, Bhat A, Dhar I, Sriram D, Dhar A.	Biochemical and Biophysical Research Communications	2017	10.1016/j.bbrc.2017.03.078
62	Regulating Rev7 Stability.	Bhat A and Xiao W	The FEBS Journal	2017	Issue Information - 2017 - The FEBS Journal - Wiley Online Library

6 3	Screening of low cost agricultural wastes to maximize the fructosyltransferase production and its applicability in generation of fructooligosaccharides by solid state fermentation	Ganaie, M. A; Soni, H.; Naikoo; G. A; Oliveira; L. T. S, Rawat, H. K, Mehta, PK	Int Biodeterior. Biodegrad.	2017	https://doi.org/10.1016/j.ibiod.2017.01.006
6 4	Microbial metabolites in nutrition, healthcare and agriculture	Singh R, Mittal A, Kumar M and Mehta P.K	3 Biotech	2017	https://doi.org/10.1007/s13205-016-0586-4
6 5	Genetic diversity among clinical isolates of Helicobacter pylori detected from India	Sehgal S et al.	International Journal of Medical Research Prof	2017	http://ijmrp.com/Admin_Portal/Upload/Vol3Issue1/17%20IJMRP%203(1)%2092-97.pdf
6 6	EORTC QLQ-OES 18 module strategy for assessment of quality of life in esophageal cancer patients	Sehgal S et al.	Journal of Biomedical and Pharamceutical Sciences	2017	http://dx.doi.org/10.9790/3008-1201016267

6 7	Epidemiology and Genotypes of Hepatitis C virus: A first study from J&K, India	Sehgal S et al.	Journal of Gastrointestinal Infections	2017	https://www.jaypeedigital.com/browseLockedJournal/JOGI/article/13645
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