

Serial No.	University faculty	National collaborator	Affiliation of collaborator	Publication from collaboration	Link
1	Vivek Verma, Mehendi Goyal, Shagun Gupta, Dinesh Kumar	Ankur Kaushal	Amity University, Haryana, 122413, India	Recent advances in the diagnosis of leptospirosis	https://pubmed.ncbi.nlm.nih.gov/32114449/
2	Varsha Rani, Meenu Thakur	Madan L Verma	Department of Biotechnology, School of Basic Sciences, Indian Institute of Information Technology, Una, Himachal Pradesh 177220, India	Carbohydrate and protein based biopolymeric nanoparticles: Current status and biotechnological applications	https://www.sciencedirect.com/science/article/abs/pii/S0141813020305079
3	Poonam Negi	Deepak Pathania	Department of Environmental Science, Central University of Jammu, Jammu, India	Novel Tragacanth Gum-Entrapped lecithin nanogels for anticancer drug delivery	https://www.tandfonline.com/doi/abs/10.1080/00914037.2019.1596910?journalCode=gpom20
		Bhuvanesh Gupta	Bioengineering Laboratory Department of Textile Technology, Indian Institute of Technology, New Delhi, India;		
4	Poonam Negi, Deepak N. Kapoor, Rohit Goyal	Gaurav Gupta	School of Pharmacy, Suresh Gyan Vihar University, Jagatpura, 302017, Jaipur, India.	Role of the Serine/Threonine Kinase 11 (STK11) or Liver Kinase B1 (LKB1) Gene in Peutz-Jeghers Syndrome	https://pubmed.ncbi.nlm.nih.gov/32749111/
5	Sourbh Thakur	Gaurav Goel	School of Engineering, London South Bank University, 103 Borough Road, London, SE10AA, UK	Bio-based Sustainable Aerogels: New Sensation in	https://www.sciencedirect.com/science/article/pii/S2666086520300308

		Jog Raj	Patent Co, DOO., Vlade Četkovića 1A, Mišićevo 24211, Serbia and Astra Biotech Ltd., 9, Ashvale 14 Close, Nailsea, Bristol, BS48 1QH, United Kingdom	CO2 Capture	
		Vijai Kumar Gupta, David Robert	Biorefining and Advanced Materials Research Center, Scotland's Rural College (SRUC), Kings Buildings, West Mains Road, Edinburgh EH9 3JG, UK		
		Vijay Kumar Thakur	Department of Mechanical Engineering, School of Engineering, Shiv Nadar University, Uttar Pradesh 201314, India		
6	A.K. Saini,	V.K. Thakur	Biorefining and Advanced Materials Research Center, Scotland's Rural College (SRUC), Kings Buildings, Edinburgh, EH9 3JG, UK	Nanoparticles as an emerging tool to alter the gene expression: Preparation and conjugation methods	https://www.sciencedirect.com/science/article/abs/pii/S2468519420300550
7	Madan Lal,	Sapna Thakur	Department of Biotechnology, Akal College of Agriculture, Eternal University, Sirmour, HP 173101, India	Fabrication and characterization of electrospun ZnO nanofibers; antimicrobial assessment	https://www.sciencedirect.com/science/article/abs/pii/S0167577X19319111
		Manpreet Kaur	Department of Physics, Akal College of Basic Sciences, Eternal University, Sirmour, HP 173101, India		

		Way Foong Lim	Institute of Nano Optoelectronics Research and Technology (INOR), Universiti Sains Malaysia, 11800 Penang, Malaysia		
8	Reena V. Saini, Anterpreet K Chahal, Gourav Chandan, Rakesh Kumar	Anil Kumar Chhillar	Centre for Biotechnology, Maharshi Dayanand University, Rohtak, India	Bioactive constituents of <i>Emblica officinalis</i> overcome oxidative stress in mammalian cells by inhibiting hyperoxidation of peroxiredoxins	https://pubmed.ncbi.nlm.nih.gov/31821595/
10	Reena V sani	Chetan kumar Mk verma, N.K satti	Natural Products Chemistry Division, CSIR-Indian Institute of Integrative Medicine, Canal Road, Jammu, 180001 India.	Datura stramonium essential oil composition and its immunostimulatory potential against colon cancer cells	https://link.springer.com/article/10.1007/s13205-020-02438-4
		Adesh K. Saini	Department of Biotechnology, MMEC, Maharishi Markandeshwar (Deemed to be University), Mullana-Ambala, India.		
11	Joydeep Das	Parames C. Sil	Division of Molecular Medicine, Bose Institute, Kolkata, India	Nanoparticles as Smart Carriers for Enhanced Cancer Immunotherapy	https://pubmed.ncbi.nlm.nih.gov/33409265/
12	Poonam Negi	Gaurav Gupta	School of Pharmacy, Suresh Gyan Vihar University, Jaipur, India	RAAS blockers in hypertension posing a higher risk	https://pubmed.ncbi.nlm.nih.gov/32359088/

				toward the COVID-19	
13	Poonam Negi,	Gaurav Gupta	School of Pharmacy, Suresh Gyan Vihar University, Mahal Road, Jagatpura, Jaipur, India.	SARS CoV-2 aggravates cellular metabolism mediated complications in COVID-19 infection	https://pubmed.ncbi.nlm.nih.gov/32558055/
14	Joydeep Das	Parames C. Sil	Division of Molecular Medicine, Bose Institute, P-1/12, CIT Scheme VII M, Kolkata700054, India.	Zinc oxide nanoparticles: A comprehensive review on its synthesis, anticancer and drug delivery applications as well as health risks	https://www.sciencedirect.com/science/article/abs/pii/S0001868620305868
15	Deepak N. Kapoor,	Kamal Dua	Discipline of Pharmacy, Graduate School of Health, University of Technology Sydney, Ultimo, New South Wales, 2007, Australia	Probing 3CL protease: Rationally designed chemical moieties for COVID-19	https://pubmed.ncbi.nlm.nih.gov/32729640/
		ParteekPrasher	Department of Chemistry, University of Petroleum & Energy Studies, Dehradun, India		
16	L. Sharma, Aditi Sharma, R. Goyal	J. Alam	Division of Pharmacology and Toxicology, Indian Veterinary Research Institute, Izatnagar, Bareilly, UP-243122, India	Pinus Roxburghii Sarg. Ameliorates Alzheimer's disease Type Neurodegeneration and Cognitive Deficits Caused by	https://www.researchgate.net/publication/348657615_Pinus_Roxburghii_Sarg_Ameliorates_Alzheimers_disease_Type_Neurodegeneration_and_Cognitive_Deficits_Caused_by_Intracereb

				Intracerebrov entricular- Streptozotoci n in Rats: An In Vitro and In Vivo Study	roventricular- Streptozotocin in Rats An In Vitro and In Vivo Stud y
17	Deepak N Kapoor	ParteekPrasher ,	Department of Chemistry, University of Petroleum & Energy Studies, Dehradun 248007, India	Emerging era of “somes”: polymersome s as versatile drug delivery carrier for cancer diagnostics and therapy	https://pubmed.nc bi.nlm.nih.gov/325 04410/
		Alaa A. Aljabali,	Facult Dehradun y of Pharmacy, Department of Pharmaceutical Sciences, Yarmouk University, Irbid, Jordan		
		Vijay Mishra,	School of Pharmaceutical Sciences, Lovely Professional University, Phagwara, Punjab 144411, India		
		Srinivas Mutalik,	Department of Pharmaceutics, Manipal College of Pharmaceutical Sciences, Manipal Academy of Higher Education, Manipal, Karnataka 576104, India		
		Dinesh KumarChellap pan	Department of Life Sciences, School of Pharmacy, International Medical University, Bukit Jalil, 57000 Kuala Lumpur, Malaysia		
		Murtaza M. Tambuwala	School of Pharmacy and Pharmaceutical Science, Ulster University, County Londonderry, Coleraine, Northern Ireland BT52 1SA, UK		
18	Vikas Kumar	Nitin Sharma	Department of Biotechnology, Chandigarh College of Technology, CGC Landran, 140307,	Comparison Of Extraction Yield, Phytochemica ls And In	https://www.resea rchgate.net/public ation/342152099_ COMPARISON_OF_ EXTRACTION YIEL

			Mohali, Punjab, India	Vitro Antioxidant Potential Of Different Extracts Of Two Ficus Species	D PHYTOCHEMICALS AND IN VITRO ANTIOXIDANT POTENTIAL OF DIFFERENT EXTRACTS OF TWO FICUS SPECIES
19	S. kulshresthra	Anjali Chauhan	Dr. Yashwant Singh Parmar University of Horticulture and Forestry. Department of Soil Science and Water Management	A Moringa oleifera seeds-based filter for efficient removal of Congo red from aqueous medium	https://www.researchgate.net/publication/347446024_A_Moringa_oleifera_seeds-based_filter_for_efficient_removal_of_Congo_red_from_aqueous_medium
		El-Sayed Salama	Lanzhou University LZU · School of Public Health. Department of Occupational and Environmental Health		
20	Rachna Verma	Ashwani Tapwal	Himalayan Forest Research Institute, Shimla H.P. 171009, India	Bioactive Compounds of Edible Fruits with Their Anti-Aging Properties: A Comprehensive Review to Prolong Human Life	https://www.mdpi.com/2076-3921/9/11/1123
21	Rachna Verma	Vinod Kumar	School of Water, Energy and Environment, Cranfield University, Cranfield MK430AL, UK	Bioactive Compounds of Edible Fruits with Their Anti-Aging Properties: A Comprehensive Review to Prolong	https://www.mdpi.com/2076-3921/9/11/1123

				Human Life	
22	Reena Singh	Sonali Bhardwaj	School of Bioengineering and Biosciences, Lovely Professional University, Phagwara 144411, Punjab, India	Plant Fortification of the Diet for Anti-Ageing Effects: A Review	https://www.mdpi.com/2072-6643/12/10/3008
23	Rachna Verma	Kamil Kuca Eugenie Nepovimova	Department of Chemistry, Faculty of Science, University of Hradec Kralove, Hradec Kralove 50003, Czech Republic	Bioactive Compounds of Edible Fruits with Their Anti-Aging Properties: A Comprehensive Review to Prolong Human Life	https://www.mdpi.com/2076-3921/9/11/1123
24	Adesh K. Saini Reena V. Saini	Anil Sharma	Department of Biotechnology and Central Research Cell, MMEC, Maharishi Markandeshwar (Deemed to be University), Mullana, 133207 Ambala, Haryana, India	Mechanistic Insights into the Oxidized Low-Density Lipoprotein-Induced Atherosclerosis	https://www.hindawi.com/journals/omcl/2020/5245308/
25	Raj Kumar	S.K. Mehta	Department of Chemistry and Centre of Advanced Studies in Chemistry, Panjab University, Chandigarh 160 014, India	Curcumin nanoemulsion as a biocompatible medium to study the metal ion imbalance in a biological system	https://www.sciencedirect.com/science/article/abs/pii/S0167732220327240

26	Joydeep Das	Parames C. Sil Noyel Ghosh Sharmistha Chatterjee Mousumi Kundu	Division of Molecular Medicine, Bose Institute, P -1/12, CIT Scheme VII M, Kolkata -700054, India .	Tumor Targeted Delivery of Umbelliferone via a Smart Mesoporous Silica Nanoparticles Controlled - release Drug Delivery System for Increased Anticancer Efficiency	https://www.sciencedirect.com/science/article/abs/pii/S0928493120310638
		Prasenjit Manna	Biological Science and Technology Division, CSIR -North East Institute of Science and Technology, Jorhat, Assam -785006, India		
27	Poonam Negi	Bhuvanesh Gupta	Bioengineering Laboratory, Department of Textile Technology, Indian Institute of Technology, New Delhi, India	Novel thymoquinone loaded chitosan- lecithin micelles for effective wound healing: Development, characterization, and preclinical evaluation	https://www.sciencedirect.com/science/article/abs/pii/S014486171931327X
		Deepak Pathania	Department of Environmental Science, Central University of Jammu, India		
28	Poonam Negi Deepak N. Kapoor	Mousmee Sharma	Department of Chemistry, Uttaranchal University, Dehradun 248007, India UGC Sponsored Centre for Advanced Studies, Department of Chemistry, Guru Nanak Dev University, Amritsar 143005, India	Emerging trends in clinical implications of bio- conjugated silver nanoparticles in drug delivery	https://www.sciencedirect.com/science/article/abs/pii/S2215038220300248
29	Devika Rana	Pawan Malhotra	International Centre for Genetic Engineering and Biotechnology, Aruna Asif Ali Marg, New Delhi 110067, India	Identification of antimalarial leads with dual	https://www.sciencedirect.com/science/article/abs/pii/S0968089619311939

		Neeraj Mahindroo	School of Health Sciences, University of Petroleum and Energy Studies, Energy Acres, Bidholi, Via Premnagar, Uttrakhand 248007, India	falcipain-2 and falcipain-3 inhibitory activity	
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1	Deepak N. Kapoor Poonam Negi	Murtaza M. Tambuwala	School of Pharmacy and Pharmaceutical Science, Ulster University, Coleraine BT52 1SA, Northern Ireland, UK	Albumin Nano-Encapsulation of Piceatannol Enhances Its Anticancer Potential in Colon Cancer Via Downregulation of Nuclear p65 and HIF-1 α	https://www.mdpi.com/2072-6694/12/1/113
2	Rohit Goyal	Kamal dua	Discipline of Pharmacy, graduate school of health, University of Technology Sydney, Ultimo NSW 2007 australia	Beyond the Obvious: Smoking and Respiratory Infection Implications on Alzheimer's Disease	https://www.intentaconnect.com/content/ben/cnsnddt/2020/00000019/00000009/art00008
3	Rohit Goyal Poonam Negi	Murtaza M. Tambuwala	School of Pharmacy and Pharmaceutical Science, Ulster University, Coleraine, County Londonderry, Northern Ireland, United Kingdom.	COVID-19: Underpinning Research for Detection, Therapeutics, and Vaccines Development.	https://search.bvsalud.org/global-literature-on-novel-coronavirus-2019-ncov/resource/es/covidwho-908311
4	Poonam Negi	Murtaza M. Tambuwala	School of Pharmacy and Pharmaceutical Science, Ulster	Dietary crocin is protective in pancreatic cancer while reducing	https://www.mdpi.com/2072-6643/12/6/1901

			University, Coleraine, County Londonderry, Northern Ireland, United Kingdom.	radiation-induced hepatic oxidative damage	
5	Anirudh Sharma Dinesh Kumar Prerna Bhardwaj Kanchan Bhardwaj	Kamil Kuča	Department of Chemistry, Faculty of Science, University of Hradec Kralove, 50003 Hradec Kralove, Czech Republic Biomedical Research Center, University Hospital Hradec Kralove, 50005 Hradec Kralove, Czech Republic	Conifer-Derived Metallic Nanoparticles: Green Synthesis and Biological Applications	https://www.mdpi.com/1422-0067/21/23/9028
6	Poonam Negi	Flavia C. Zacconi	Departamento de Química Orgánica, Facultad de Química y de Farmacia, Pontificia Universidad Católica de Chile, Santiago 7820436, Chile	Small interfering RNA for cancer treatment: overcoming hurdles in delivery	https://www.sciencedirect.com/science/article/pii/S2211383520307565#!
7	Reena Singh	Kamil Kuca Eugenie Nepovimova	Department of Chemistry, Faculty of Science, University of Hradec Kralove, 50003 Hradec Kralove, Czech Republic	Plant Fortification of the Diet for Anti- Ageing Effects: A Review	https://www.mdpi.com/2072-6643/12/10/3008
8	Poonam Negi	Murtaza M. Tambuwala	School of Pharmacy and Pharmaceutical Sciences, Ulster University, Coleraine, United Kingdom	Efficacy of resveratrol encapsulated microsponges delivered by pectin based matrix tablets in rats with acetic acid-induced	https://www.tandfonline.com/doi/abs/10.1080/03639045.2020.1724127

				ulcerative colitis	
9	Deepak N Kapoor Poonam Negi Rohit Goyal	Yogesh singh	Mahatma Gandhi College of Pharmaceutical Sciences, Sitapura, Jaipur, India	Monotherapy of RAAS blockers and mobilization of aldosterone: A mechanistic perspective study in kidney disease	https://www.sciencedirect.com/science/article/abs/pii/S009279720300041
10	Adesh K. Saini Reena V. Saini	Neeraj K. Saini	Department of Microbiology and Immunology, Albert Einstein College of Medicine, Bronx, NY 10461, USA	Mechanistic Insights into the Oxidized Low-Density Lipoprotein-Induced Atherosclerosis	https://www.hindawi.com/journals/omcl/2020/5245308/
		Sasanka Chakrabarti	Department of Biochemistry and Central Research Cell, MM Institute of Medical Sciences		
		Vipin Saini	Maharishi Markandeshwar University, Solan, 173212 Himachal Pradesh, India		
11	Poonam Negi	Kamal Dua	Discipline of Pharmacy, Graduate School of Health, University of Technology Sydney, Ultimo NSW 2007, Australia	Nanocarriers: More than tour de force for thymoquinone	https://www.tandfonline.com/doi/abs/10.1080/17425247.2020.1730808
		Michael J Rathbone	ULTI Pharmaceuticals, Hamilton 3204, New Zealand		
		Dinesh K Chellappan	Department of Life Sciences, School of Pharmacy, International Medical University, Bukit Jalil 57000, Kuala		

			Lumpur, Malaysia		
		Murtaza M Tambuwala	School of Pharmacy and Pharmaceutical Sciences, Ulster University, Coleraine, County Londonderry, BT52 1SA, Northern Ireland, United Kingdom		
		Terezinha de Jesus A Pinto	Department of Pharmacy, Faculty of Pharmaceutical Sciences, University of São Paulo, São Paulo 05508-000, Brazil		
		Harish Dureja	Department of Pharmaceutical Sciences, Maharishi Dayanand University, Rohtak, Haryana 124001, India		
		Gaurav Gupta	School of Pharmacy, Suresh Gyan Vihar University, Jagatpura 302017, Mahal Road, Jaipur, India		
12	Poonam Negi	R. Kaundal	Cahn School of Medicine, Mount Sinai, Hospital and Healthcare, New York, NY, USA	Enhanced oral bioavailability and hepatoprotective activity of thymoquinone in the form of phospholipidic nano-constructs	https://www.tandfonline.com/doi/abs/10.1080/17425247.2020.1716728
		S. Rahatekar	Cranfield University, Cranfield, UK		
		A. John	Laboratory of Materials Science, Institute of Chemistry of Natural Resource,		

			University of Talca, Talca, Chile		
		K. Dua	Discipline of Pharmacy, Graduate School of Health, University of Technology Sydney, Ultimo, Australia;		
		Murtaza M. Tambuwala	School of Pharmacy & Pharmaceutical Sciences, Faculty of Life & Health Sciences, Ulster University, Coleraine, UK		
		S. Jain D. Chaudari	Department of Pharmaceutics, National Institute of Pharmaceutical Education and Research, Centre for Pharmaceutical Nanotechnology, Punjab, India		
13	Rajan Rolta Deeksha Salaria Vikas Kumar Anuradha Sourirajan Kamal Dev	David J. Baumler	Department of Food Science and Nutrition, University of Minnesota, St. Paul, MN, USA	Molecular docking studies of phytochemicals of Rheum emodi Wall with proteins responsible for antibiotic resistance in bacterial and fungal pathogens: in silico approach to enhance the bio-availability of antibiotics	https://www.tandfonline.com/doi/abs/10.1080/07391102.2020.1850364
		Chirag N. Patel	Department of Botany, Bioinformatics and Climate Change Impacts Management, University School of Science, Gujarat University, Ahmedabad, India		
14	Anuradha Sourirajan	Rohitash Yadav	Department of Pharmacology, All	In silico screening of hundred	https://www.tandfonline.com/

	Rajan Rolta Deeksha Salaria		India Institute of Medical Sciences, Rishikesh, Uttarakhand, India;	phytochemicals of ten medicinal plants as potential inhibitors of nucleocapsid phosphoprotein of COVID-19: an approach to prevent virus assembly	doi/full/10.1080/07391102.2020.1804457
		Shubham Trivedic	Department of Bioengineering, Integral University Lucknow, India;		
		Mohammad Imran	Department of Pharmacology, Shaqra University, Saudi Arabia;		
		David J. Baumler	Department of Food Science and Nutrition, University of Minnesota—Twin Cities, St. Paul, Minnesota, USA		
15	Poonam Negi Deepak N Kapoor	Dinesh Kumar Chellappan	Department of Life Sciences, School of Pharmacy, International Medical University, Bukit Jalil 57000, Kuala Lumpur, Malaysia	Perspectives and advancements in the design of nanomaterials for targeted cancer theranostics	https://www.sciencedirect.com/science/article/abs/pii/S0009279720310231
16	Pankaj Thakur Lavanya Tandon	Mandeep Singh Bakshi	Department of Chemistry, Natural and Applied Sciences, University of Wisconsin - Green Bay, 2420 Nicolet Drive, Green Bay, WI 54311 -7001, USA	Photophysical behavior of heme group: unfolding of hemoglobin and myoglobin in the presence of Gemini surfactants of different molecular architectures	https://www.sciencedirect.com/science/article/abs/pii/S0141813020328622
17	Gaurav Sharma Amit Kumar	Mu. Naushad	Department of Chemistry, College of Science, Bld.#5, King Saud University, Riyadh, Saudi Arabia	Designing of bentonite based nanocomposite hydrogel for the adsorptive removal and controlled release of ampicillin	https://www.sciencedirect.com/science/article/abs/pii/S0167732220337867
18	Madan Lal	Sapna Thakur	Department of Biotechnology,	Fabrication and Characterization of	https://www.sciencedirect.com

			Akal College of Agriculture, Eternal University, Sirmour (HP) 173101, India	Electrospun ZnO nanofibers; Antimicrobial assessment	m/science/article/abs/pii/S0167577X19319111
		Manpreet Kaur	Department of Physics, Akal College of Basic Sciences, Eternal University, Sirmour (HP) 173101, India		
		Way Foong Lim	Institute of Nano Optoelectronics Research and Technology (INOR), Universiti Sains Malaysia, 11800 Penang, Malaysia		
19	Anshul Sharma	Kumud Malika Tripathi	Department of Bionanotechnology, Gachon University, 1342 Seongnamdaero, Sujeong-gu, Seongnam-si, Gyeonggi-do, 13120, South Korea	Nano-carbon based sensors for bacterial detection and discrimination in clinical diagnosis: A junction between material science and biology	https://www.sciencedirect.com/science/article/abs/pii/S2352940719305864
		TaeYoung Kim	Department of Materials Science and Engineering, Gachon University, 1342 Seongnamdaero, Sujeong-gu, Seongnam-si, Gyeonggi-do, 13120, South Korea		