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Professor & Chairman

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| Education | Ph.D. Viral Immunology, PGIMER, Chandigarh [1993] M.Sc. Microbiology, Punjab Agricultural University, Ludhiana [1987] B. Sc. [Medical], DAV College, Chandigarh [1984] |
| Professional Career | Assistant Professor, Department of Biotechnology, GNDU, Amritsar [1992-97] Associate Professor, Department of Biotechnology, HPU, Shimla [1997-2005] Professor Department of Biotechnology, HPU, Shimla [Oct. 2005 till date] |
| Experience | Teaching [~32 years] Research [~37 years] Certified LSSSDC Trainer QCB |
| Administrative Assignments | Co-ordinator DBT-Skill Vigyan Training Program; Co-ordinator Bioinformatics Centre; Former Dean Faculty of Life Sciences; Former Chairman, Department of Biotechnology; Founder Co-ordinator, Department of Microbiology; Director Intellectual Property Rights & Consultation Cell; Former Director IQAC; Former Member Finance Committee; Former Member Executive Council; Former Member University Court |
| Subject taught | Microbiology, Virology, Fermentation Technology, Animal Cell Culture & Biotechnology, and Biochemical & Biophysical Techniques |
| Research Interest/ Area of Specialization | Industrial Microbiology/ Therapeutic enzymes; Bioprocess and Bioproduct Development; Medicinal Plants; Antimicrobial and Cytotoxic assays. |
| Publications | Total publications: 249 [Including 42 chapters in books] Research indicators: - Google citations: 6511; H-index: 35; i10 index: 102 Research Interest Score: 4125 [Till May 03, 2024] |
| Awards | CSIR-JRF NET in 1988 ; Visiting Fellowship for the year 1998-99 by Indian National Science Academy , New Delhi for research in molecular biology (RFLP) tuberculosis; Visiting Fellowship for the year 1999-2000 by Science & Engineering Research Council (SERC) , Department of Science & Technology, New Delhi; Biotechnology Overseas Associateship Award 2005-06 by Ministry of Science & Technology, Department of Biotechnology , Govt. of India for a period of three months [Oct. 15, 2007 to Jan 14, 2008].; NIH-funded Training Program on Mouse Adult Pluripotent Cells at Stem Cell Institute, University of Minnesota, Minneapolis, USA, May 19-June 27, 2008 and Best Researcher Award-2022, Himachal Pradesh University, Shimla. |
| Projects | Completed projects: 14. |

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| Patents | 06 [Filed at India Patent Office, New Delhi and published]; 01 granted. |
| Research | Ph.D. completed: 21 |
| Supervision | Ph.D. On-going: 03 M. Phil.: 30 M. Sc.: 165 |
| Membership of Professional Bodies | <ol style="list-style-type: none"> 1. Life Member of Association of Microbiologists of India. 2. Life Member of Association of Biotechnologists of Himachal Pradesh (ABHI). 3. Life Member of Punjab Academy of Sciences. 4. Member – American Association for Advancement of Science, USA (May 08, 2020 till date) 5. Community Member – American Chemical Society, USA (June 08. 2020 till date) 6. Member of Asia-pacific Association of Scientific Research (APASR), Asia-Pacific Academy of Science. Pte. Ltd., Singapore. 7. Member, Applied Microbiology International, Concessionary membership number: 456797. 8. Fellow, Himalayan Science & Technology Communications, Himachal Pradesh, India. 9. Fellow, United Writers Association, Chennai, India. |
| Edited Book: | <ol style="list-style-type: none"> 1. Biopolymeric Nanomaterials – Fundamentals and Applications (2022). <i>Eds.</i> Shamsher S Kanwar, Ashok K Nadda, Tuan A Nguyen, Swati Sharma and Yassine Slimani, Micro & Nano Technologies Series published by Elsevier. ISSN: 978-0-12-824364-0. 2. Biomedical Perspective of Herbal Honey (2024). <i>Eds:</i> Rajesh Kumar, Suresh Kumar and Shamsher S. Kanwar published by Springer Nature Singapore Pte Ltd., 152 Beach Road, #21-01/04 Gateway East, Singapore 189721, Singapore. ISSN: 978-981-97-1528-2. |