

**Bechan Sharma, Ph. D.****Present Position & Official address**

Professor of Biochemistry & Chairman  
Department of Biochemistry, Faculty of Science  
University of Allahabad, Allahabad, 211 002, India  
(Website: [www.allduniv.ac.in](http://www.allduniv.ac.in))

**Residential Address**

699/27A/4 Baghambari Gaddi (East), Allapore  
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**Date and Place of Birth**

June 10, 1960, Varanasi, India

**My Live DNA**

<http://livedna.net/?dna=91.5064>

**Web page:**

<http://membership.sciencepublishinggroup.com/bs>

**ResearcherID No.**

**G-6836-2015**

**Orcid ID:**

**0000-0002-7835-9406**

**Scopus ID:**

**"Sharma, Bechan" 23025769900**

**Educational Qualifications**

| Certificates/<br>Degree         | Name of Board /<br>University                      | Year | Division /<br>(% of Marks)          | Subjects   |
|---------------------------------|--|------|-------------------------------------|--|
| <b>High School<br/>(H.Sc.)</b>  | U.P. Board of Education,<br>Allahabad, U.P., India | 1976 | <b>First Division,<br/>(76.2 %)</b> | Hindi, English, Maths*, Science* and Biology<br>(*Distinction in Subjects) |
| <b>Intermediate<br/>(I.Sc.)</b> | U.P. Board of Education,<br>Allahabad, U.P.,India  | 1978 | <b>First Division,<br/>(68.4 %)</b> | Hindi, English, Biology, Physics*,<br>Chemistry*(Distinction in Subjects)  |
| <b>B.Sc. (Hons.)</b>            | Banaras Hindu University-<br>Varanasi, U.P, India  | 1980 | <b>First Division,<br/>(60.7 %)</b> | Botany, Zoology, Chemistry (Hons.)   |
| <b>M.Sc.</b>                    | Banaras Hindu University-<br>Varanasi, U.P., India | 1982 | <b>First Division,<br/>(67.3 %)</b> | Biochemistry   |
| <b>Ph.D.*</b>                   | B.H.U.-Varanasi, U.P &<br>CDRI-Lucknow, India      | 1988 | <b>Awarded by<br/>Thesis</b>        | Biochemistry   |

\*Title of Ph.D. Thesis: "Purification and Characterization of Phosphofructokinase and Acetylcholinesterase from *Setaria cervi*, a Filarial Parasite".

**Broad Research Areas:** Molecular Biology, Tropical Disease Research, Biochemical Toxicology

**Employment Details**

| Designation  | Employment Date |  | Name of University                                    | Responsibilities                         |
|--|-----------------|--|---|--|
| <b>Professor (CDR)</b>                               | 12/02/2004      | Continued<br>(HoD, Feb2008-<br>Feb.2010) | University of Allahabad                               | Teaching, Research and Administrative    |
| <b>Professor (CAS)</b>                               | 18/01/2002      | 11/02/2004                               | Dr.RML Avadh University<br>Faizabad-UP                | Teaching, Research and Administrative    |
| <b>Reader (CDR)</b>                                  | 18/01/1994      | 17/01/2002                               | Dr.RML Avadh University<br>Faizabad-UP                | Teaching ,Research<br>And administrative |
| <b>Assistant<br/>Professor (Cadre)</b>               | 01/08/1989      | 17/01/1994                               | Sher-e-Kashmir Univ. Sci.<br>& Technol. Srinagar, J&K | Teaching, Research &<br>Administrative   |
| <b>Senior Tech. Asst.<br/>Cum Asst.Prof. (Cadre)</b> | 27/11/1988      | 31/07/1989                               | Sher-e-Kashmir Univ. Sci.<br>& Technol. Srinagar, J&K | Teaching, Research &<br>Administrative   |

**Diploma / Certificates / Training**

**2011 Chemical Safety Orientation**, University of Missouri-Columbia, USA, Sept 16, 2011

**2008 Bioinformatics Training** at CCMB-Hyderabad, February 9-15, 2009

**2001 Respiratory Test & Training for using BSL III**, UMD-NJ Medical School, NJ,USA

**2001 Lab Safety & Biohazards Safety Orientation**, UM.D- NJ Medical School, NJ,USA

**2000 Radiation Safety Orientation**, UMD-NJMedical School, Newark, NJ 07103,USA

**1982 Yoga Certificate**, Banaras Hindu University-Varanasi, UP, India

**1978 NCC B-Certificate** as a Sergeant, Government of India

**Awards / Honours**

**2019 Conference Participation Grant, Virology Education Foundation, The Netherlands** to participate as a Resource Person in Tokyo HEV Clinical Forum (HEPCF), at Tokyo, Japan, October 28-29, 2019.

**2019 Senior Scientist Award by Glocal Environment & Social Association (GESA) on May 21-22, in Conference on our biodiversity, our food & our health (gcbd 2019) Allahabad.** ([http://www.gesa.org.in/award\\_conferred.php](http://www.gesa.org.in/award_conferred.php))

**2019 Conference Participation Grant, Virology Education Foundation, The Netherlands** to participate as a Resource Person in HIV and AIDS Workshop at Tokyo, Japan, May 6-8, 2019

**2019 Life Time Achievement Award** by Society of Bioinformatics and Biological Sciences, India on April 5, 2019 in the International Conference on Advances and Innovations in Biotechnology for Sustainable Development at AKS University,



Satna, MP, India

- 2019 Fellow of Bioed Research Society, Prayagraj** conferred on February 16, in the 21<sup>st</sup> National Agricultural Scientists and Farmers' Congress held at Sringeripur, Prayagraj
- 2018 Outstanding Reviewer award for the journal, Toxicology Reports, published by Royal Society of London, UK**
- 2018-19 Bentham Ambassador, Bentham Science Publishers, Dubai, UAE**
- 2018 Best Article Award by EC Pharmacology and Toxicology, ECronicon Open Access, UK**
- 2018 Conference Participation Grant, Virology Education Foundation, The Netherlands** to participate in 3<sup>rd</sup> Asia Pacific Conference on AIDS & Co-Infections (APACC): Translating Science and Clinical Practice, Hong Kong, June 27-30,
- 2017 Prof. RC Dalela Oration Award, CCSU-Meent, on November 24.**
- 2017 Conference Participation Grant, Virology Education Foundation, The Netherlands** to participate in 2<sup>nd</sup> Asia Pacific Conference on AIDS & Co-Infections (APACC): Translating Science and Clinical Practice, Hong Kong, May 31-June 03.
- 2015 Excellence in Teaching and Research Award by Society for Bioinformatics and Biological Sciences, Allahabad, India**
- 2015 Senior Scientist Fellowship Award in Biomedical Sciences by Indian Council of Medical Research (ICMR), Govt. of India–New Delhi, to work with Dr. Samuel Wilson, NIEHS-NC, USA**
- 2012 Distinguished Academician Honour at 'Edushine 2012' by United Group of Institutions at Allahabad on May 25, 2012.**
- 2009 Archana Gold Medal** by Academy of Environmental Biology, India at ICRISAT-Hyderabad, India on November 20-21.
- 2009 Travel Fellowship Award (US\$ 1500)** by International Union of Toxicologists (IUTOX), Sun City, South Africa
- 2007 May 16-19 Invited Speaker, Kuwait University, Kuwait**
- 2004 Visiting Professor, King Saud University, Riyadh, Saudi Arabia (1 Year, unavailed)**
- 2004 Fellow of Academy of Environmental Biology (FAEB), India**
- 2004 Consultant to the Fourth Editorial Board** of "Journal of Environmental and Occupational Medicine (JEOM), Shanghai, China
- 2002 Research Excellence Award** which I received as a member of Department of Biochemistry & Molecular Biology of UMDNJ, NJ, USA.
- 2000-2 Visiting Research Fellowship Award** for 03 years at UMD-NJ Medical University, USA
- 1998 Young Scientist Award** by Indian Council of Chemists, India
- 1996-7 Chinese Government Fellowship Award, MHRD, Govt. of India (unavailed)**
- 1996 UNESCO-Nominee** for attending a workshop in Biotechnology at Tehran, Iran
- 1988 Young Scientist Award** by Indian Society for Parasitologists, India  
Website: <http://www.parasitologyindia.org/awards.htm>
- 1986-8 Senior Research Fellowship (CSIR) Award**
- 1984-6 Junior Research Fellowship (CSIR) Award**
- 1983 Qualified National Eligibility Test (NET), CSIR-New Delhi**
- 1982 Qualified Graduate Aptitude Test in Engineering (Life Sciences), 89.2 percentile**
- 1974-80 National Talent Search Scholarship** through Eligibility Test

#### Professional Experience

- 2019 Member, Organising Committee, 2nd World Congress and Expo on Toxicology and Pharmacology**, October 28-29, 2019 | Rome, Italy ([https://biocoreconferences.com/toxicology-congress-2019/organizing\\_committee.php](https://biocoreconferences.com/toxicology-congress-2019/organizing_committee.php))
- 2019 Member, Organising Committee, World Congress on Biochemistry and Enzymology**, to be held at Amsterdam, The Netherlands, during March 25-26, 2019 (<http://biochemistrycongress.alliedacademies.com/organizing-committee>)
- 2019 Member, Organising Committee, Annual Congress on Toxicology and Pharmacology**, to be held at Oslo, Norway during May 30-31, 2019 (<https://toxicology.euroscicon.com/organizing-committee>)
- 2019 Member, Organising Committee, 7<sup>th</sup> International Congress and Expo on Biotechnology and Genetic Engineering** conference which is to be held in Paris, France.
- 2019 Member, Organising Committee, 3rd International Conference & Expo on HIV & AIDS**, February 25-26, Durban, South Africa. (<https://scientificfederation.com/hiv-aids-2019/committee.php>)
- 2019 Track Chair, Pharmaceutical Research and Development, 8<sup>th</sup> International Congress on drug Discovery and Therapy, United Nations Conference Centre (UNCC), Bangkok, Thailand, February 13 - 15, 2019.**
- 2018 Member, National Advisory Board, National Conference on 'Role of modern biological sciences for enhancing farmers' economy and welfare of the society'**, Nov. 12-13, Faculty of Science, RRPG-College, Amethi, UP
- 2018 Member Organising Committee-Toxicology 2018, Annual Congress on Toxicology and Pharmacology, Amsterdam, The Netherlands, July 30-31.** (<https://toxicology.euroscicon.com/organizing-committee#>)
- 2018 Member Organising Committee, International Conference and Exhibition on Biochemical & Molecular Engineering** October 07-08, 2013 Hilton San Antonio Airport, USA;  
(<http://www.omicsgroup.com/conferences/biomolecularengg2013/organizing-committee.php>)
- 2018 Member Organising Committee, 4<sup>th</sup> International Conference and Expo on Herbal and alternative Medicine**, to be held at Rome, Italy July 26-27, (<http://herbal.alliedacademies.com/organizing-committee>)
- 2018 Invited Speaker, The 6<sup>th</sup> International Conference on Catalysis (ICC 2018)**, to be held in Kunming China during July 14-16, 2018 (<https://www.papercrowd.com/c/the-6th-intl-conference-on-catalysis-icc-2018/2867>)
- 2018 Invited Speaker, International Conference on Trends in Biochemical and Biomedical Research: Advances and Challenges (TBBR 2018)** to be held at BHU Varanasi on February 13-15, 2018
- 2018 Member, Scientific Advisory Board, PCS-2<sup>nd</sup> international Conference on Neuroscience (ICN 2018) to be held at Prague, Czech republic during April 28-29, 2018**
- 2017 Invited Speaker, International Conference on Advances in Biomedicine and Biomedical Engineering (ICABBE) 6<sup>th</sup> International Conference on Biotechnology and Bioengineering (ICBB)**, Sept 26-28, Offenburg, Germany
- 2017 Member, Universal Researchers** ([http://uruae.org/single\\_committee.php?committee=CBMSR](http://uruae.org/single_committee.php?committee=CBMSR))

**2017 Invited Speaker, International Conference on Medical and Clinical Microbiology**, July 03-04, Avanti Atrium, Bangkok, Thailand (<http://clinicalmicrobiology.conferenceseries.com/asiapacific/ocm/2017/dr-bechan-sharma-allahabad-university-india>)

**2017 Invited speaker, BIT's 1<sup>st</sup> World Congress of Biomedical Engineering 2017**, November 9-11, Xi'an, China

**2017 Conference Participation Grant, Netherlands** to participate in 2<sup>nd</sup> Asia Pacific Conference on AIDS & Co-Infections (APACC):Translating Science and Clinical Practice, Hong Kong, May31-June 03.

**2016, Member, 5th International Conference on Biotechnology and Bioengineering, ICBB2016**, Dec. 8-10, 2016 Bangkok, Thailand

**2016 Member**, Organising Committee, 7th World Congress on Microbiology, November 28-29, 2016 Valencia, Spain

**2016 Member**, Reviewer Board, [2016 IN INTERNATIONAL CONFERENCE ON CHEMICAL, AGRICULTURAL AND BIOLOGICAL SCIENCES \(ICCABS-16\)](http://www.cbmsr.org/conf-reviewr-committee.php?slug=CABS-16&sid=2&catdid=125) (WEBSITE: [HTTP://CBMSR.ORG/CONF-REVIEWR-COMMITTEE.PHP?SLUG=CABS-16&SID=2&CATDID=125](http://cbmsr.org/conf-reviewr-committee.php?slug=CABS-16&sid=2&catdid=125))

**2016 Member, National Advisory Board, International Conference on Current Scenario and Prospects of Nanotechnology and Biostatistics**, UPRTOU-Allahabad, February 25-26.

**2016 Member, International Advisory Committee, Biosangam 2016, International Conference on Translational Biotechnology**, MNIT-Allahabad, February 4-6.

**2016, Member, Reviewer Committee, International Conference on Food, Agriculture and Biological Sciences (ICFABS-2016)**, (<http://cbmsr.org/conf-reviewr-committee.php?slug=ICFABS-2016&sid=2&catdid=129>)

**2015 Member, Advisory Committee, National Conference on Bioinformatics Panorama in Agriculture and Health (NCBPAH)**, SHIATS-Naini, Allahabad, October 5-6. (<https://ncbpah2015.wordpress.com/people/>)

**2015 Resource Person, RESEARCH TRAINING FELLOWSHIP FOR DEVELOPING COUNTRY SCIENTISTS (RTF-DCS)**; Centre for Science & Technology of the Non-Aligned and Other Developing Countries (NAM S&T Centre)-New Delhi, 2015-16,

**2015 Member, Advisory Committee**, National Seminar on 'Science and Technology for Human Welfare', March 14-15, 2015. University of Allahabad Chapter of National Science Congress Association, India

**2015 Member, Programme Technical Committee**, International Conference on Pharmaceutical Sciences, Jan.15-21, 2015, Dubai

**2014 Member, Scientific Committee**, 6<sup>th</sup> International Academic Conference on Environmental and Occupational Medicine to be held in Suzhou, China, October 16-18, 2014 (<http://www.iceom2014.com/weben/Committees.asp>)

**2014 Subject Expert (Biochemistry), Member UP Higher Education Commission**, Allahabad

**2014 Subject Expert (Biochemistry), Member, UP Public Service Commission**, Allahabad

**2013 October 07-09, Member, Organising Committee**, International Conference and Exhibition on Biochemical and Molecular Engineering" to be held at Hilton San Antonio Airport, USA (Web site: <http://www.omicsgroup.com/conferences/biomolecularengg2013/committee.php>)

**2012 November 09-10, 2012, Member, Organising Committee**, Seminar on Science for Shaping Future of India. Allahabad Chapter of Indian Science Congress Association, Allahabad.

**2012 November 22-24, 2012, Member, Organising Committee**, 3rd International Conference and Exhibition on Analytical and Bioanalytical Techniques"(Analytica-2012) to be held at Hyderabad International Convention Center, Hyderabad, India. (Web site: <http://www.omicsonline.org/analyticaacta2012/scientific-programme.php?day=2&sid=264>)

**2012, Member**, Screening Committee for Faculty Recruitment- Biochemistry, Biotechnology and Home Science, University of Allahabad-India

**2011, Member**, Research Project Reviewing Board of Department of Biotechnology- Govt. of India

**2011, Member**, Research Project Reviewing Board of UP-Council of Science and Technology-Lucknow, India

**2011 Sept 7-November 18, 2011**; Visiting Professor, University of Missouri-Columbia, USA

**2010 July-31-August 03, Scientific Advisor Board & Co-organizer**, BIT's First World Congress of Virus and Infections 2010 (WCVI-2010), Busan, Korea (Web site: <http://www.bitlifesciences.com/wcvi2010/Organizers&SAB.asp>)

**2010 May 15-July 15, 2010 Visiting Professor**, Institute of Molecular Medicine, University of Lubeck, Germany

**2010 May 09-10, Convener, Interactive Workshop on Biotechnology**, Jointly organized by Department of Biochemistry, University of Allahabad & the National Academy of Sciences of India-Allahabad, India (<http://www.nasi.org.in/Regular%20Activities.htm>)

**2010 April 07-10, Member**, Scientific Committee, 5<sup>th</sup> International Academic Conference on Environmental and Occupational Medicine (ICEOM), Sichun Province, China, (Website: <http://www.iceom2010.com/en/Committees.asp>)

**2010 Jan-23-24, Convener**, National Conference on Recent Trends in Biochemistry & Satellite Symposium of Academy of Environmental Biology, held at Univ. Allahabad, India

**2009 Convener/Chairperson**, Symposium on Infectious Diseases and Human Health in World Congress on Cell. Mol. Biol.-2009 (WCCMB-2009), Nov.2-06, DABU-Indore, India

**2009 Member, International & National Committees**, WCCMB-2009,Nov.2-06,DABU-Indore,India (Web site: <http://www.davvbiotech.res.in/Worldcongress/html/committees.htm>)

**2009 April-July 2009 Visiting Professor**, INCA-Federal University of Rio-de-Janeiro, **Brazil**

**2008 Member, Intellectual Property Protection Programme, UPCST-Lucknow**, UP, India

**2008 Dec-Nov.09, Coordinator**, Centre for Biotechnology, University of Allahabad

**2008 Feb15-Feb15,2010 Chairman**, Department of Biochemistry, University of Allahabad

**2008 May-July 2008 Visiting Professor**, Kasetsart University, Bangkok, Thailand

**2007 Dec-Jan 2008 Visiting Professor**, Institute of Gene Expression Regulation, Louis Pasteur University (ULP) of Strassbourg, Cedex, France

**2007 May -July 2007 Visiting Professor**, ULP of Strassbourg, Cedex, France

- 2006 May –July 2006 Visiting Professor**, Institute of Genetics and Molecular Biology, Council of National Research, Pavia, Italy
- 2002, Jan 18–11 Feb, 2004, Professor (CAS)** Dr. RML Avadh University, Faizabad, India
- 2004, Feb 12, to date Professor (Cadre)**, Biochemistry Department, Univ. Allahabad, India
- 2004 Visiting Professor (Biochemistry)**, King Saud University, Riyadh, Kingdom of Saudi Arabia (Offer could not be availed)
- 2000-2002 Visiting Scientist**, Department of Biochemistry and Molecular Biology, UMD-New Jersey Medical School, Newark, NJ 07103, USA
- 1999 Organizing Secretary**, Symposium "Biological Chemistry beyond 2000 AD", held at Dr. RML Avadh University, Faizabad, India
- 1996 Visited NIBGE-Tehran, Iran**, nominated by UNESCO-New Delhi
- 1995 Founder Member**, Department of Environ. Sciences, Dr. RMLAU-Faizabad
- 1994 Founder Member**, Biochemistry Department, Dr. RMLA. University-Faizabad
- 1994-Feb 11, 04 Associate Professor (Reader, Cadre)**, Dr. RMLA. University, Faizabad
- 1991 Visiting Scientist**, Industrial Toxicology Research Center, Lucknow, India
- 1988-1994 Assistant Professor (Cadre)**, SK Univ of Agri Sci & Tech, Kashmir, India
- 1984-1988 Research for Ph.D. Degree**, Central Drug Research Institute, Lucknow & Banaras Hindu University, Varanasi, India

### Academic/Administrative Assignments

- 2019 Coordinator, Nanoscience and Technology Winter School, UGC-HRDC programme**, From February 25-March 17, 2019 at Faculty of Science, University of Allahabad.
- 2018 Resource Person**, National Symposium cum Bioinformatics Workshop at AMU-Aligarh, March 20-21: The Interdisciplinary Unit of Biotechnology
- 2017-continued, Warden, Shatabdi Boys Hostel**, University of Allahabad, Allahabad
- 2017-continued Member, Management Committee**, IAS-Preexamination Centre, Pant Hostel, University of Allahabad
- 2017-continued Member, Security Committee**, University of Allahabad, Allahabad
- 2016, Member, Reviewer Committee, International Conference on Food, Agriculture and Biological Sciences (ICFABS-2016)**, (<http://cbmsr.org/conf-reviewr-committee.php?slug=ICFABS-2016&sid=2&catDid=129>)
- 2016 Member, National Advisory Board, International Conference 2016 on Current Scenario and Prospects of Nanotechnology and Bio-Statistics**. UP Rajarshi Tandon Open University, Allahabad, February 25-26, 2016
- 2016, Member, 5th International Conference on Biotechnology and Bioengineering, ICBB2016**, Dec. 8-10, 2016 Bangkok, Thailand
- 2016 Member, Organising Committee, 7th World Congress on Microbiology**, November 28-29, 2016 Valencia, Spain
- 2016 Member, Reviewer Board, 2016 INTERNATIONAL CONFERENCE ON CHEMICAL, AGRICULTURAL AND BIOLOGICAL SCIENCES (ICCABS-16)** (WEBSITE: <HTTP://CBMSR.ORG/CONF-REVIEWR-COMMITTEE.PHP?SLUG=CABS-16&SID=2&CATDID=125>)
- 2016 Member, Organising Committee, International Conference on Neurooncology 2016** during July 21-23, 2016 at Brisbane, Australia
- 2015 Member, Management Council**, K.S. Institute of Research and Training, Lucknow, UP, India
- 2015 Resource Person, Workshop on Current Advances in Bioinformatics at MNIT-Allahabad, India**; January 16-22, 2015;
- 2013 Member, Organising Committee, International Conference on Biomolecular Engineering, 2013**, January 13-16, 2013. Hyatt Regency Pier 66, Fort Lauderdale, FL, USA ([http://www.omicsgroup.com/conferences/ACS/conference/pdfs/BioMoleculareng-2013\\_brochure.pdf](http://www.omicsgroup.com/conferences/ACS/conference/pdfs/BioMoleculareng-2013_brochure.pdf))
- 2013 Co-Chair with Prof. Ivar Giaever, a Nobel Laureate in Physics**, for an Interactive Session of 6<sup>th</sup> Science Conclave, IIT-Jhalwa, Allahabad, UP, India, December 8-13, 2013
- 2013 Resource Person, Workshop on Current Advances in Bioinformatics at AMU-Aligarh**, India from March 13-14, 2013.
- 2013 Member, Advisory Committee, Indian Science Congress Association (Allahabad Chapter)** National Seminar on Exciting Frontiers of Research in Sci. & Tech., Feb 28-March 1, 2013.
- 2013 Resource Person, Workshop on Advances in Immunology, KGMU-Lucknow, India** from February 23-24, 2013.
- 2012 Resource Person, INSPIRE programme-Biology Section, Science Conclave of Nobel Laureates, IIT-Jhalwa, Allahabad, India** from December 8-14, 2012
- 2012 Member**, Screening Committee for applications towards faculty recruitment in **Biochemistry, Biotechnology and Home Science**, University of Allahabad, India
- 2009 to date, Chairman**, Environmental Science Core Committee, Univ. of Allahabad
- 2009 to date, Nodal Officer**, Intellectual Property Rights Cell, University of Allahabad
- 2009 Member**, Academic Council, University of Allahabad
- 2008 Dec-Dec 2009, Coordinator**, Centre for Biotechnology, University of Allahabad
- 2008 Feb 16 to Feb 15, 2010 Chairman**, Department of Biochemistry, Univ. of Allahabad
- 2007 Member**, Undergraduate Admission Test Committee, University of Allahabad
- 2006-to date Member**, Rate Contract Establishment Committee, Univ. of Allahabad
- 2005 Convener**, Teaching & Research Interface Committee, University of Allahabad
- 2005 to date Expert Member, Biotechnology**, Commission for Scientific and Technical Terminology, MHRD, Department of Secondary & Higher Education, Govt. of India
- 2005 to date Chairman**, Admission Committee, University of Allahabad, Allahabad, India
- 2004 Member**, Academic Council, Science Faculty Board, Technical Committee



**& Purchase Committee, Intra- and Inter Departmental Doctoral Programme Committees, PG Admission Committee, University of Allahabad, India**

**2004 OSD**, Confidential Evaluation Cell, University of Allahabad, India

**2004 Member**, Central Auction Committee, Dr.R.M.L.A.University-Faizabad, India

**2003 Member**, Central Purchase Committee, Dr.R.M.L.A. University-Faizabad, India

**2003 Member**, Executive Council, Dr.R.M.L. Avadh University-Faizabad, India

**2003 Member**, University Admission Committee, Dr.R.M.L.A.University, Faizabad

**2003 Chief Warden**, University Hostels, Dr.R.M.L.A.University-Faizabad up to 2004

**2003 Co-Ordinator**, B.P.Ed. Entrance Test & Recruitment, Dr.R.M.L.A.University

**2003 Co-Ordinator**, UGC-SAP, DRS Programme, Dr.R.M.L.A.University, Faizabad

**2003 Deputy Co-Ordinator**, FIST Programme, DST-MHRD, Govt. of India, New Delhi

**2003 Scholarship Distribution Committee**, Dr.R.M.L.Avadh University, Faizabad

**1994-98 Convener**, Technical Committee (for purchase of Instruments/Chemicals)

**1994 Member**, Development of M.Sc.Biochemistry/Biotechnology programme

**1995 Member**, Development of M.Sc.Environmental Sciences programme

**1995-98 Member**, Proctorial Board, Dr.R.M.L Avadh University, Faizabad, India

**1995-98 In-Charge**, Research/Academic Cell, Dept.Biochemistry, Dr.RMLAUniversity

**1994-99 Member**, Postgraduates Admission Committee, Dr.RMLAUniversity, Faizabad

**1995-99 Member**, Syllabi Screening Committee, Dr.RMLAUniversity-Faizabad

**1997 Member**, Institutions Affiliation Committee, Dr.RMLA.University, Faizabad

**1997 Center Superintendent**, Dr.RML Avadh University's Annual Examinations

**1997 Observer**, B.Ed. Entrance Examinations, Dr.RML Avadh University-Faizabad

**1989-93 Incharge**, Biochemistry Department, Faculty of Vet. Sci. & Animal Husbandary, Sher-e-Kashmir University of Agricultural Sciences and Technology, Srinagar, J&K

#### Membership of Scientific Societies

- Life Member**, World Society of Virology, Karolinska Institute, Sweden
- Member**, American Chemical Society, USA
- Member**, American Association for the Advancement of Science, USA
- Member**, International Forum for Public Health, Shanghai, China  
(<http://www.scdc.sh.cn/erj/hjzygj%EF%BC%8De.htm>)
- Life Member**, Society of Biological Chemists, India
- Life Member**, Academy of Environmental Biology, India
- Life Member**, Indian Science Congress Association, India (Reg.No.L7687)
- Life Member**, Association of Microbiologists of India, India

#### Foreign Visits and Collaborative Research

| S.No. | Period  | Institution/University  | Position                            | Collaborating Scientist   |
|-------|---|---|-------------------------------------|---|
| 1.    | Feb.27-<br>March 13,<br>2015                      | National Institute of Environmental Health<br>NIH, North Carolina, USA                    | Visiting<br>Scientist               | Prof. Samuel Wilson   |
| 2.    | Sept. 2011-<br>Nov.2011<br>(2.5 months)           | Christopher S. Bond Life Sciences<br>Center, University of Missouri-<br>Columbia, MO, USA | Visiting<br>Professor               | Prof. Stefanaos<br>Sarafianos   |
| 3.    | May 2010-<br>July 2010<br>(2 months)              | Institute of Molecular Medicine,<br>Lubeck University, Lubeck,<br>Germany                 | Visiting<br>Professor               | Prof. Tobias Restle<br>(Web site: <a href="http://www.molmed.uni-luebeck.de/T.%20Restle/Restle.html">http://www.molmed.uni-luebeck.de/T.%20Restle/Restle.html</a> ) |
| 4.    | April 2009--<br>July 2009<br>(4 months)           | National Institute of Cancer,<br>Federal University of Rio-de-Janeiro,<br>Brazil          | Visiting<br>Professor               | Prof. Marcelo A. Soares   |
| 5.    | May 2008-<br>July 2008                            | Kasetsart University,<br>Thailand, Bangkok  | Visiting<br>Professor               | Prof. Supa Hannongbua<br>(Web site: Thailand <a href="http://www.sci.ku.ac.th/sci1/fundation/vp/vp51.pdf">http://www.sci.ku.ac.th/sci1/fundation/vp/vp51.pdf</a> )  |
| 6.    | 2007<br>(10 days)                                 | University of Kuwait, Kuwait, Travel Award<br>by Kuwait University-Kuwait                 | Invited<br>Speaker                  | Prof. Donald Armstrong  |
| 7.    | May 2007-<br>July 2007 &<br>Dec 2007-<br>Jan.2008 | Louis Pasteur University of<br>Strasbourg, France   | Visiting<br>Professor               | Prof. Roland Marquet,<br>Dr. Catherine Isel   |
| 8.    | May 2006-<br>July 2006                            | Institute of Genetics, University of Pavia,<br>Italy                                      | Visiting<br>Professor               | Prof. Giovanni Maga   |
| 9.    | Jan.2000<br>Dec.2002                              | UMDNJ-NJ Medical School, Newark, US   | Visiting<br>Scientist               | Prof. V. N. Pandey  |
| 10.   | Dec. 1998<br>(10days)                             | National Institute of Genetic Engineering<br>and Biotechnology, Tehran, Iran              | UNESCO-<br>Nominated<br>Participant | Prof. Barahm Golei  |

#### Guest Faculty / Invited Speaker

UPRT Open University, Allahabad, India

Jalma Institute of Leprocy, Agra, India  
National AIDS Research Institute, Pune, India  
National Academy of Sciences India, Allahabad, India  
Indian Institute of Information Technology, Allahabad, India  
Departments of Biotechnology, Banaras Hindu University-Varanasi, India  
Department of Biochemistry, Banaras Hindu University-Varanasi, India  
Departments of Biotechnology, V.B.S. Poorvanchal University, Jaunpur, India  
AIDS Research Division, Central Jalma Institute of Leprocy -Agra, India  
Departments of Medicine and Biochemistry, K.G. Medical University-Lucknow, India  
Department of Chemistry, Govt. PG College-Alapur, Akbarpur, India  
Department of Biochemistry & Environ. Sci., Dr.R.M.L.A.University, Faizabad, India  
National Bureau of Fish Genetic Resources (ICAR), Lucknow, India  
National AIDS Control Organization, New Delhi, India  
Centre for Molecular & Human Genetics, Jiwaji University, Gwalior, India  
(Website; <http://jugenomics.org.in/FACULTY.HTML>)  
Centre for Neurosciences, Jiwaji University, Gwalior, India  
Institute of Interdisciplinary Studies, Allahabad University, Allahabad, India  
Department of Environmental Science, Allahabad University, Allahabad, India  
CSJM-Medical University, Lucknow, India  
Govt. PG College, Saidabad, Allahabad, India  
CMP Degree College, Allahabad  
Motilal Nehru National Institute of Technology, Allahabad, India  
University of Lucknow-Lucknow, India  
Aligarh Muslim University-Aligarh, India  
Departments of Zoology and Biotechnology, D. D. University-Gorakhpu, India  
Department of Biotechnology, Babasaheb Bhim Raom Ambedkar University, Lucknow

**Examiner / Subject Expert**

Department of Basic Sciences, UPRT Open University, Allahaabd, India  
Department of Biochemistry, King Saud University, Riyadh, Saudi Arabia  
Faculty of Science, Universiti Putra Malaysia (UPM), Malaysia  
Departments of Biochemistry, Biotechnology & Zoology, Allahabad University, India  
Indo-Russian Center of Bioinformatics, IIIT-Jhalwa, Allahabad, India  
Departments of Biotechnology, Home Science and Biochemistry, BHU-Varanasi, India  
Department of Life Sciences, M.D. University-Rohtak , Haryana, India  
Department of Biochemistry, Aligarh Muslim University, Aligarh, India  
Department of Home Science, B.R. Ambedkar Agra University, Agra, India  
Schools of Biochemistry, Zoology, Biotechnology, Jiwaji University, Gwalior, India  
Centre of Molecular & Human Genetics, Jiwaji University, Gwalior, India  
Department of Biochemistry, Delhi University, Delhi, India  
Department of Biotechnology, Jamia Hamdard University, New Delhi  
Department of Biochemistry, Dr. R.M.L. Avadh University, Faizabad, India  
Department of Biotechnology, SHIATS (Deemed University), Allahabad, India  
Departments of Zoology and Home Science, Ranchi University, Ranchi, Bihar, India  
Department of Biotechnology, DDU Gorakhpur University, Gorakhpur, India  
Departments of Biochemistry and Microbiology, VBS Poorvanchal University, Jaunpur, India  
Department of Biochemistry, University of Lucknow, Lucknow, India  
Department of Biotechnology, Babasaheb Bhimrao Ambedkar University, Lucknow, India  
Departments of Life Sciences and Biotechnology, CSJM Kanpur University-Kanpur  
Department of Biochemistry, Punjab University, Chandigarh, India  
Department of Biochemistry, North East Hill University-Shillong, Meghalaya, India  
Department of Biotechnology, Gautam Buddha UP Technical University-Lucknow, UP, India  
Department of Food Technology, University of Mysore-Mysore, Karnataka  
Department of Life Sciences & Biotechnolog, Jawaharlal Nehru University-New Delhi  
Department of Biotechnology, Devi Ahilyabai University-Indore, MP, India  
Department of Life Sciences, Rani Durgawati University-Jabalpur, MP, India  
Department of Biotechnology, Guru Ghasidas University-Bilaspur, MP, India  
Department of Biochemistry, University of Kashmir, Srinagar, Kashmir, J&K  
Department of Biotechnology, Hemawatinandan Bahuguna University, Garhwal, India  
Department of Biotechnology, Banasthali University, Banasthali-Jaipur, Rajasthan  
Department of Biochemistry, IVRI-Izzat Nagar, Bareilly  
Department of Biotechnology and Bioinformatics, Woman University, Koimbatoor, Karnataka

**Member, Faculty Selection Committee**

1. University of Allahabad, Allahabad, India
2. Banaras Hindu University, Varanasi, India
3. VBS Poorvanchal University, Jaunpur, India
4. CSJM University-Kanpur, India
5. Sam Hanningbua Institute of Agriculture and Technology (Formerly: Allahabad Agricultural Institute), Deemed to be University, Allahabad-211007

6. Jiwaji University-Gwalior, MP, India
7. National Bureau of Fish Resource (NBFR)-Lucknow, India
8. Nehru Gram Bharati University-Allahabad, India
9. Dr. RML Avadh University, Faizabad, India
10. SHUATS-Naini, Allahabad, India
11. BARC-Mumbai, Maharashtra

#### Member, Board of Studies

1. Department of Biochemistry, BHU-Varanasi, India
2. Department of Molecular and Human Genetics, BHU-Varanasi, India
3. Department of Biochemistry, Jiwaji University-Gwalior, India
4. Department of Biotechnology, Jiwaji University-Gwalior, India
5. Department of Biochemistry, Poorvanchal University-Jaunpur, India
6. Department of Biotechnology, Poorvanchal University-Jaunpur, India
7. Department of Biotechnology, University of Allahabad, Allahabad, India
8. Department of Bioinformatics, University of Allahabad, Allahabad, India
9. Department of Biochemistry, SHUATS-Naini, Allahabad, India
10. Department of Bioinformatics, SHUATS-Naini, Allahabad, India
11. Department of Biotechnology and Cellular Engineering, SHUATS-Naini, Allahabad, India
12. Department of Biochemistry, University of Lucknow-Lucknow, India
13. Department of Life Sciences, CSJM University-Kanpur, India

#### Teaching Experience

**Graduation Level:** 30 years      **Post-graduation Level:** 30 years

#### Research Projects Completed (5)

1. Environmental impact assessment of commonly used pesticides and the abatement of the Environmental pollution due to pesticides through biochemical tools. Funded by AICTE-New Delhi. March, 1994-March, 1997, **Grant No.** F2-2/93-TD.VI, **Direct Costs** Rs.8.5 Lakhs
2. Studies on the effect of organocarbamate on non-target aquatic (fish) and mammalian (rat) systems and possible remedial measures. Funded by AICTE-New Delhi for three years (January, 1995- January, 98.), **Grant No.** 802/RDII/R&D/94/Rec 246, **Direct Costs:** Rs.2.75 Lakhs
3. Isolation and characterization of pesticide (organocarbamates and organophosphates) degrading microorganisms. Funded by AICTE-New Delhi for three years (March 1999-February 2002), **Direct Costs:** Rs.6.0 Lakhs
4. **Government of India, Department of Science and Technology (MHRD)-FIST Project Grant, Direct Cost:** 85 Lakhs, at Dr.R.M.L. Avadh University-Faizabad, 03 years.
5. **UGC-SAP, DRS Project Grant No.** F3-11/2004 (SAP-2), 26-03-2004, **Direct Cost:** 12 Lakhs, at Dr.R.M.L. Avadh University-Faizabad for three years.
6. **UGC-SAP, DRS Project Grant No.** F3-11/2004 (SAP-2), 26-03-2013, **Direct Cost:** 39 Lakhs, at University of Allahabad-Allahabad for three years.
7. **UPCST-Lucknow Project Grant No.** CST/D-3089, 2016, **Direct Cost:** Rs.10.44 Lacs, at University of Allahabad-Allahabad for three years.

#### US Patent Published: 01

**Title:** INHIBITION OF HIV-1 REPLICATION, **Publication Number:** WO/2004/041194 **Date:** 21.05.2004,

Website: <http://www.wipo.int/pctdb/en/wo.jsp?IA=WO2004041194>

**International Application No.** PCT/US2003/034708, **Date of Filing Patent:** 31.10.2003

**Inventors:** PANDEY, Virendra, N. [US/US]; 30 Dorothy Road, Parsippany, NJ 07054 (US).  
**2004** KAUSHIK, Neerja [US/US]; 28 Lucianna Lane, East Hanover, NJ 07936 (US).  
BASU, Amartya [IN/US]; 28 Lucianna Lane, East Hanover, NJ 07936 (US).  
PALUMBO, Paul [US/US]; 230 Edgewood Ave., Westfield, NJ 07090 (US).  
MYERS, Rene, L. [US/US]; 50 Blackberry Lane, Framingham, MA 01701 (US).  
SHARMA, Bechan [IN/IN]; Flat #3, Professors Colony, Faizabad, U.P. (IN).  
TALELE, Tanaji, T. [IN/IN]; Department of Pharmaceutical Chemistry, UDCT, University of Bombay (IN).  
CASALE, Ralph, A. III [US/US]; 41 South Chelmsford Road, Westford, MA 01886 (US).

**Research Projects Applied for Funding (3):** Department of Science and Technology, Govt. of India, New Delhi, and DBT= Govt. of India, New Delhi, UGC-New Delhi

#### Research Supervision

**Number of MS Students Supervised:** 50 (M.Sc. Biochemistry/Environmental Sciences)

**Number of Ph.D. Students Supervised:** 12

**Number of Post Doctoral Fellows supervised:** 06

**Number of Ph.D. Students Enrolled:** 06

#### Honorary Reviewer for International Journals

**(Reviewer History for Elsevier Journals:** <https://www.reviewerrecognition.elsevier.com/#/profile/469faa80-903d-4af0-bbcd-51f61539fb6a>);

J.Applied Biol.Biotechnol. (<https://www.ejmanager.com/reviewers/index.php?dvs=fns>)

1. Archives of Environmental Contamination and Toxicology, USA
2. Archives of Medical Research, Mexico
3. Applied Biochemistry and Biotechnology
4. African Journal of Pharmacy and Pharmacology, Academic Journals, South Africa
5. African Journal of Biochemistry Research, Academic Journals, South Africa
6. African Health Sciences
7. African Journal of Microbiology Research, Academic Journals, South Africa
8. African Journal of Biotechnology, Academic Journals (Website: [www.academicjournals.org/ajb](http://www.academicjournals.org/ajb))
9. Applied Biochemistry and Biotechnology, Springer Journals  
(Website: <http://www.springer.com/chemistry/biotechnology/journal/12010>)
10. Analytical Biochemistry, Elsevier  
(Website: [http://www.elsevier.com/wps/find/journaldescription.cws\\_home/622781/description](http://www.elsevier.com/wps/find/journaldescription.cws_home/622781/description))
11. American Journal of Medicinal Plants Research
12. Annals of Cancer Research (website: <http://www.vipoa.org/cancer/editorialboard>)
13. Academia Journal of Medicinal Plants (<http://academiapublishing.org/ajmp>)
14. American Journal of Biochemistry (Scientific & Academic Publishing, USA)
15. Applied Biological Research
16. Advances in Biochemistry, Science Publishing Group, USA  
(<http://www.sciencepublishinggroup.com>)
17. Asian Fisheries Science Journal
18. Asian Journal of Medicine and Health
19. Asian Journal of Plant Science & Research
20. Biocatalysis and Biotransformation (Impact factor: 0.905; <http://informahealthcare.com/bab>)
21. Biochemistry Insights, Libertas Academica Journals, New Zealand
22. Biomarkers Insights, Libertas Academica Journals, New Zealand
23. Biomedical Chromatography
24. Biomedicine and Pharmacotherapy
25. BMC Complementary and Alternative Medicine
26. Brazilian Archives of Biology and Technology
27. Brazilian Journal of Pharmaceutical Sciences
28. British Journal of Applied Science and Technology, SCIENCEDOMAIN International
29. Canadian Journal of Biotechnology (<https://www.canadianjbiotech.com/downloadFiles/List%20of%20reviewers.pdf>)
30. Cancer Letters, USA
31. Chemical Biology & Drug Design (Wiley Publications)
32. Chemistry and Ecology, Taylor & Francis. <http://www.tandfonline.com/loi/gche20>
33. CellBio
34. Cell Biochemistry and Biophysics
35. Cell Biology and Toxicology, USA
36. Cellular and Molecular Neurobiology, USA
37. Cellular and Molecular Biology, France (Website: [www.cellmolbiol.com](http://www.cellmolbiol.com))
38. Central Nervous System Agents in Medicinal Chemistry
39. Colloids and Surfaces A: Physicochemical and Engineering Aspects: Elsevier Journals, USA
40. Comparative Biochemistry and Physiology, Canada
41. Connective Tissue Research: Informa Healthcare ( <http://informahealthcare.com/journal/cts>)
42. Critical Reviews in Microbiology (impact factor: 6.270)(Website: <http://informahealthcare.com/loi/mby>)
43. Current Biotechnology (Bentham Science Publishers)
44. Current Microbiology, Springer (Website: <http://www.springer.com/life+sciences/microbiology/journal/284>)
45. Current Medicinal Chemistry, Benrtham Science Publishers  
(<http://bsp-cms.eurekaselect.com/index.php/CMC/reviewer/submission/56993?key=99ibU9a9>)
46. Current Pharmaceutical Design
47. Current Trends in Biomedical and Life Sciences
48. Cytotechnology
49. DNA and Cell Biology
50. Drug and Chemical Toxicology
51. Ecotoxicology, The Netherlands
52. Ecotoxicology and Environment Safety
53. Environmental Pollution
54. Environmental Science and Pollution Research
55. Environmental Technology, Taylor and Francis, USA
56. Environmental Toxicology, Wiley Publishers (Impact factor 2.704)
57. Environmental Toxicology, Helsinki, Finland
58. Experimental Parasitology, USA



59. European J. Molecular Biology (Science Publishing Group)  
(Website: <http://www.sciencepublishinggroup.com/journal/peerreviewers.aspx?journalid=114>)
60. Environmental Toxicology (<http://onlinelibrary.wiley.com/journal/10.1002/%28ISSN%291522-7278>)
61. Fitoterapia
62. Food Analytical Methods
63. Food Biophysics, USA
64. Food and Chemical Toxicology, Elsevier, USA (Acknowledged in FoodChemToxicol, 2010; 48: 1418-1424, (see page 1423, right most panel)
65. Food Reviews International, Taylor and Francis group, USA  
(Website: <http://www.tandf.co.uk/journals/titles/87559129.asp>)
66. Gene-USA, An Elsevier Journal (Impact Factor 2.266)
67. Human and Experimental Toxicology (HET)-USA (Impact Factor 1.772)
68. Indian Journal of Biochemistry and Biophysics, India
69. Indian Journal of Biotechnology
70. Indian Journal of Cancer, India
71. Indian J Clinical Biochemistry, India
72. Indian J. Experimental Biology, India
73. Immunological Investigations
74. International Journal of Medicine and Medical Sciences (IJMMS)
75. International Journal of Experimental Pathology
76. Biomed Research International (website: <http://www.hindawi.com/journals/bmri/>) (IF:2.88)
77. International Journal of Biochemistry Research and Review
78. Int. J. Biol. Chem. Sci., International Formulae Group (IFG).Africa  
(Website: <http://www.ajol.info/index.php/ijbcs/index>)
79. International Journal of Integrative Biology,
80. International Immunology, Japan
81. International J. Medicine and Medical Sciences, South Africa
82. International Journal of Plant Physiology and Biochemistry
83. International Journal of Nutrition and Metabolism (Website: <http://www.academicjournals.org/IJNAM>)
84. International Journal of Biological Macromolecules
85. International Journal of Biological Macromolecules  
(Website: <http://www.journals.elsevier.com/international-journal-of-biological-macromolecules/>)
86. International Journal of Experimental Pathology
87. International Journal of Nanomedicine
88. International Journal of Nanomedicine (The Dove Medical Press: [www.dovepress.com](http://www.dovepress.com))
89. International Journal of Pharmacology, Phytochemistry and Ethnomedicine
90. International Research Journal of Biotechnology, (Website: [www.interestjournals.org/IRJOB](http://www.interestjournals.org/IRJOB))
91. *Jordanian Journal of Biological Sciences*
92. Journal of Agriculture and Biological Research,  
(Website: [www.globalresearchjournals.com/journal/?id=JABS](http://www.globalresearchjournals.com/journal/?id=JABS))
93. Journal of Antivirals and Antiretrovirals
94. Journal of AIDS and HIV Research, Academic Journals, South Africa
95. Journal of Applied Life Sciences International
96. Journal of Basic and Clinical Pharmacy, (Web site: <http://www.jbclinpharm.com/>)
97. Journal of Biochemical and Molecular Toxicity-USA (Impact Factor 1.96)
98. Journal of Bioinformatics and Sequence Analysis, Academic Journals, South Africa
99. Journal of Cancer Research and Therapeutics
100. Journal of Cancer Research and Therapeutics; <http://www.journalonweb.com/jcrt>
101. Journal of Cellular and Molecular Medicine  
([http://onlinelibrary.wiley.com/journal/10.1111/\(ISSN\)1582-4934](http://onlinelibrary.wiley.com/journal/10.1111/(ISSN)1582-4934))
102. Journal of Clinical Research in HIV AIDS and Prevention (Open Access Publications)
103. Journal of Complementary and Alternative Medical Health
104. Journal of Eco-physiology and Occupational Health, India
105. Journal of Ecology and the Natural Environment, (Website: [www.academicjournals.org/JENE](http://www.academicjournals.org/JENE))
106. Journal of Environmental and Occupational Health, Shanghai, China
107. Journal of Environment and Human: <http://www.scipublish.com>
108. Journal of Essential Oil Bearing Plants, Taylor and Francis
109. Journal of Food Biochemistry
110. Journal of Food Science
111. Journal of Medicine and Medical Sciences, (Website: [jmms.review@interestjournals.org](mailto:jmms.review@interestjournals.org))
112. Journal of Medicinal Plant Research, Academic Journals  
(Website: <http://www.academicjournals.org/JMPR>)
113. Journal of Neuroinflammation (JNI)-USA, Open Access (Impact factor 5.79)
114. Journal of Neuroscience and Behavioural Health, Academic Journals, South Africa
115. Journal of Nutritional Therapeutics (website: <http://www.lifescienceglobal.com/pms/index.php/jnt>)
116. Journal of Parasitol. Vector Biol. (Academic Journal) (Website: <http://www.academicjournals.org/JPVB>)

117. Journal of Proteomics
118. Journal of Proteins Proteomics India
119. Journal of Pharmacognosy and Phytotherapy, (Website: <http://www.academicjournals.org/JPP>)
120. Journal of Science and Technology, India
121. Journal of Toxicological Analysis
122. Journal of Toxicology and Environmental Health Sciences (Website: <Http://Www.academicjournals.org/JTEHS>)
123. Life Sciences
124. Marine Pollution Bulletin, Elsevier
125. Medical Science Monitor, USA
126. Microbial Biotechnology (Impact factor; 2.534)  
(Website: <http://onlinelibrary.wiley.com/journal/10.1111/%28ISSN%291751-7915>)
127. Mitochondria (website: <https://www.journals.elsevier.com/mitochondrion>)
128. Mitochondrial DNA (<http://informahealthcare.com/loi/mdn>)
129. Molecular and Human Toxicology
130. Molecular Biology Reports, South Korea (Springer Journals)
131. Molecular Biosystems; Royal Society of Chemistry
132. Molecular Cellular Biochemistry, Canada
133. Molecular Neurobiology
134. National Academy Science Letters (Springer Publications)
135. Natural Product Research
136. Physiology and Molecular Biology of Plants
137. ProJournal of Natural Science Research
138. Proceedings of National Science Academy of India, India
139. Pesticide Biochemistry and Physiology, USA
140. Proceedings of National Academy of Sciences (Biological Sciences), Springer
141. Public Health, Elsevier Inc.
142. Physiological Reports ([http://onlinelibrary.wiley.com/journal/10.1002/\(ISSN\)2051-817X](http://onlinelibrary.wiley.com/journal/10.1002/(ISSN)2051-817X))
143. Parasitology, Cambridge Journals ( website: <https://journals.cambridge.org/action/displayJournal?jid=PAR>)
144. Oxidants and Antioxidants in Medical Sciences
145. Renal Failure, Taylor & Francis. Website: [www.informaworld.com/alerting](http://www.informaworld.com/alerting)
146. Royal Society Open Science
147. SAR and QSAR in Environmental Research
148. Science of the Total Environment, Elsevier
149. Scientific Research and Essays, Malaysia/Nigeria
150. Scandinavian J. Immunology, Wiley-Blackwell Publications  
(Website: <http://www.wiley.com/bw/journal.asp?ref=0300-9475>)
151. The Journal of Infectious Diseases (The Oxford Journals)
152. Toxicology Reports, Elsevier
153. Toxicology Research, Elsevier
154. TheScientificWorldJournals: (<http://www.tswj.com/>)
155. Toxicological Research, Royal Society of Chemistry, UK ([www.rsc.org](http://www.rsc.org); [www.chemsoc.org](http://www.chemsoc.org))
156. Tumor Biology-Karger publishers, Switzerland (Impact factor: 2.143)
157. Virus Research, Elsevier
158. World Scientific and Engineering Academy and Society, Bulgaria  
(website: <http://www.worldses.org/review/2009reviewers.htm>)
159. WSEAS Journal

#### **Executive/ Associate Editor/Member Editorial Board of International Journals**

1. Lead Guest Editor-Special Issue: Cellular and Molecular Biology, France
2. Guest Editor-Special Issue: Natural Science (Biological Control) (Website: <http://www.scirp.org/journal/NS/>)
3. Guest Editor-Special Issue :Natural Science (Research on Enzyme) (Website: <http://www.scirp.org/journal/NS/>)
4. Co-Guest Editor- Cellular and Molecular Biology, France
5. Co-Guest Editor: Evidence-Based Complementary and Alternative Medicine, USA
6. Co-Editor in Chief, International Journal of AIDS (<http://www.scitcentral.com/editorboard.php?journal=24>)
7. Chief Editor: Journal of Ecophysiology & Occupational Health, India  
(Website: <http://www.informaticsjournals.com/index.php/JEOH/pages/view/eb>)
8. Editor-in-Chief, Journal of Neuroscience and Behavioral Health  
(Website: <http://www.integrity-ethics.com/editor-in-chief/100106>)
9. Editor-in-Chief, International Research Journal of Biochemistry and Biotechnology  
(Website: <http://premierpublishers.org/irjbb/editors>)
10. Editor-in-Chief, International Research Journal of Pharmacy and Pharmacology  
(Academic Journals) (Website: <http://interesjournals.org/IRJPP/editors.htm>)
11. Editor-in Chief: International Research Journal of Plant Sciences  
(Website: <https://www.interesjournals.org/plant-science/editorial-board.html>)
12. Editor-in-Chief, Journal of Biochemistry Research (Website: <http://peakjournals.org/sub-journals- JBR.html>)
13. Editor-in-Chief, Sky Journal of Biochemistry Research (SJBR)

- (Website: <http://skyjournals.org/SJBR/editors.html>)
14. Editor-in-Chief, Advances in Enzyme Research (AER)  
(Website: <http://www.scirp.org/Journal/EditorialBoard.aspx?JournalID=2426>)
  15. Associate Editor-in-Chief: Frontiers in Biological Chemistry (FBC),  
(Website: <http://www.edinwilson.org/journal/fbc/editorialBoard.aspx>)
  16. Associate Editor: African Journal of Pregnancy and Child Birth  
(Website: <http://internationalscholarsjournals.org/journal/ajpc/editorialboard>)
  17. Associate Editor: African Journal of Pregnancy and Child Birth  
(Website: <http://internationalscholarsjournals.org/journal/ajpc/editorialboard>)
  18. Associate Editor: Cohesive Journal of Microbiology and Infectious Disease  
(Website: <http://crimsonpublishers.com/cjmi/editorial-board.php>)
  19. Associate Editor: International Research Journal of Microbiology  
(Website: [www.internationalresearchjournals.org/IRJM](http://www.internationalresearchjournals.org/IRJM))
  20. Associate Editor: Journal of Environmental and Occupational Medicine (JEOM), China  
(Website: <http://www.scdc.sh.cn/erj/hjzygj%EF%BC%8De.htm>;  
<http://journals.indexcopernicus.com/karta.php?action=masterlist&id=2084>)
  21. Associate Editor: International J. Medicine and Medical Sciences (International Scholars Journals-USA)  
(Website: <http://www.internationalscholarsjournals.org/journal/ijmms/editorialboard>)
  22. Associate Editor: International Journal of Research in Computer Science  
(Web site: <http://www.ijorcs.org/editorial-board>)
  23. Associate Editor: International Research Journals (<http://www.zoominfo.com/p/Bechan-Sharma/1447668082>)
  24. Executive Editor: Int. J. Antivirals & Antiretrovirals (Omics Publishing Group), USA  
(Website: <http://www.omicsonline.com/EditorialboardJAA.php>)
  25. Regional Editor: Asian Journal of Biological Sciences (Website: <https://scialert.net/eboard.php?issn=1996-3351>)
  26. Editor: Academic Journal of Biotechnological Research  
(Website: <http://www.xournals.com/academic-journal-of-biotechnological-research/info/editorial-board>)
  27. Editor: Advances in Biotechnology and Microbiology  
(Website: <http://juniperpublishers.com/aibm/editorialboard.php>)
  28. Editor: Anatomy, Physiology and Biochemistry, (Website: <http://juniperpublishers.com/apbj/editorialboard.php>)
  29. Editor: Annual Research and Review in Biology (<http://www.sciencedomain.org/journal/32/editorial-board-members>)
  30. Editor: Aperiato Journal of Advanced Plant Biology (Website: [http://aperito.org/journal/ebm\\_display/29](http://aperito.org/journal/ebm_display/29))
  31. Editor: Associate Editor: Biochemistry and Biotechnology Research  
(Website: [http://www.netjournals.org/bbr\\_editors.html](http://www.netjournals.org/bbr_editors.html))
  32. Editor: Biochemistry and Molecular Biology Letters  
(Website: <https://www.tsijournals.com/journals/biochemistry-molecular-biology-letters-editors.html>)
  33. Editor: Bioengineering and Biosciences (Website: [http://www.hrpub.org/journals/jour\\_editorialboard.php?id=1](http://www.hrpub.org/journals/jour_editorialboard.php?id=1))
  34. Editor: CPQMedicine (Website: <https://www.cientperiodique.com/journal/editorboard/medicine>)
  35. Editor: Global Journal of Public Health and Epidemiology  
(Website: <http://www.globalscienceresearchjournals.org/gjphe/editorial-board>)
  36. Editor: International Journal of Chromatography and Separation Techniques  
([https://gavinpublishers.com/journals/board\\_members/international-journal-of-chromatography-and-separation-techniques.html](https://gavinpublishers.com/journals/board_members/international-journal-of-chromatography-and-separation-techniques.html))
  37. Editor: International J. Cancer Research & Therapy (IJCRT),  
(Website: <http://www.opastonline.com/editorial-board-ijcrt/>)
  38. Editor: International Journal of Infectious Diseases and Therapy  
(Website: <http://www.sciencepublishinggroup.com/journal/editorialboard?journalid=280>)
  39. Editor: Int. J. Plant Physiology and Biochemistry, (Academic Journals)  
(Website: <http://www.academicjournals.org/IJPPB/Editors.htm>)
  40. Editor: International J. Nutrition and Metabolism, (IJNM, Academic Journals)  
(Website: <http://www.academicjournals.org/IJNAM/Editors.htm>)
  41. Editor: TheScientificWorldJOURNAL-BIOCHEMISTRY, (Hindawi-Finland),(Website:  
<http://www.thescientificworldjournal.com/TSW/DomainsAndClusters/EditorDetails.asp?did=3800&jid=&uid=4945&uname=Bechan%20Sharma&NavFrom=Landing>)
  42. Editor: Journal of Advances in Molecular Biology (Website: <http://www.isaacpub.org/EditorialBoard.aspx?ids=21>)
  43. Editor: Journal of Ageing and Restorative Medicine  
(Website: <http://www.scitcentral.com/editorboardDetails.php?id=1429&journal=48>)
  44. Editor: Journal of AIDS & HIV Research, (Academic Journals)  
(Website: <http://www.academicjournals.org/JAHR/Editors.htm>)
  45. Editor: Journal of Biochemistry and Molecular Medicine  
(Website: <http://www.scitcentral.com/editorboardDetails.php?id=1496&journal=29>)
  46. Editor: Journal of Enzymology and Metabolism (Academic Journals)  
(Website: <http://www.opensciencepublications.com/category/journal-of-enzymology-and-metabolism/>)
  47. Editor: Journal of Infectious Diseases and Immunity (Academic Journals)  
(Website: <http://www.academicjournals.org/JIDI/Email.htm>)
  48. Editor: Journal of Environmental Chemistry and Ecotoxicology (Academic Journals)  
(Website: <http://www.academicjournals.org/JECE/Email.htm>)

49. Editor: Journal of Microbiology and Antimicrobials (Academic Journals)  
(Website: <http://www.academicjournals.org/JMA/Editorial%20Board.htm>)
50. Editor: Journal of Bioinformatics and Sequence Analysis (Academic Journals)  
(Website: <http://www.academicjournals.org/jbsa/Editors.htm>)
51. Guest Editor, Journal of Toxicology, Hindawi Publishing Corporation-USA  
(Website: <http://www.hindawi.com/>)
52. Editor: Journal of Clinical Medicine and Research (Academic Journals)  
(Website: <http://www.academicjournals.org/JCMR/Email.htm>)
53. Editor: International Journal of Biological and Medical Research (IJBMR), India  
(Website: <http://www.biomedscidirect.com/editorialboard/Join-as-Editor>)
54. Editor: Scientific Temporal, India ((Website: <http://thescientifictemper.blogspot.com/>)
55. Editor: Scholars Report:Enzymology (Website: <http://www.scholarsreport.com/editorial-board.html>)
56. Editor: The Journal of Bioscience and Medicine (JBM)(Website: [www.jbscience.org](http://www.jbscience.org))
57. Editor, Journal of Agricultural Research and Natural Resources-(JARNAR)  
(Website: <http://scienceparkjournals.org/jamr/editors.htm>)
58. Editor, Journal of Medicine and Radiography, (Website: <http://scienceparkjournals.org/jam/board.htm>)
59. Editor-Member, Advisory Board, Journal of Medical Research (JMR) (Valleys International)  
(Website: <http://valleys.co.in/jmr/index.php/jmr/pages/view/editorialboard>)
60. Editor, American Journal of Medical and Biological Research (AJMBR)  
(Website: <http://www.sciepub.com/journal/AJMBR>)
61. Editor, Journal of Microbiology and Microbial Research (JMMR), Peak Journals  
(Website: [www.peakjournals.org/sub-journals-JMMR](http://www.peakjournals.org/sub-journals-JMMR))
62. Editor, Journal of Clinical Research in HIV AIDS and Prevention (USA)
63. Editor: Bioengineering and Bioscience ([http://www.hrpub.org/journals/jour\\_editorialboard.php?id=1](http://www.hrpub.org/journals/jour_editorialboard.php?id=1))
64. Editor, Vedic Research International Journal:Biological Medicinal Chemistry  
(Website: [www.VedicJournals.com](http://www.VedicJournals.com))
65. Editor, Vedic Research International Journal:Phytomedicine (Website: [www.VedicJournals.com](http://www.VedicJournals.com))
66. Editor, Virology and Immunology Journal (Website: <https://medwinpublishers.com/VIJ/editorial-board.php>)
67. Editor: Journal of Neuroscience and Behavioural Health (Academic Journals) (Website: [www.academicjournals.org/jnbh/Editors.htm](http://www.academicjournals.org/jnbh/Editors.htm))
68. Editor:Biochemistry and Biotechnology Research (Website: [http://www.netjournals.org/bbr\\_editors.html](http://www.netjournals.org/bbr_editors.html))
69. Editor: International Journal of Infectious Diseases and Therapy  
(Website: <http://www.sciencepublishinggroup.com/journal/editorialboard?journalid=280>)
70. Editor: Pharmacologia (Website: <http://pharmacologia.com/eboard.php>)
71. Editor: Research in Pharmaceutical Biotechnology (Academic Journals)  
(Website: <http://www.acadjourn.org/RPB/Email.htm>)
72. Member: Editorial Board, Biochemistry and Molecular Biology Letters  
(<http://www.tsjournals.com/journals/biochemistry-molecular-biology-letters-editors.html>)
73. Member: Editorial Board, Bulletin of Academy of Environmental Biology (BAEB), India
74. Member, Editorial Board, Advances in Biochemistry, USA, Website:  
(Website: <http://www.sciencepublishinggroup.com/journal/editorialboard.aspx?journalid=110>)
75. Member: Editorial Board, Journal of American Academic Research (<https://www.american-journals.com/about>)
76. Member: Editorial Board, Journal of Cancer Therapeutics and Research  
(Website: <http://www.hoajonline.com/jctr/editorialboard>)
77. Member: Editorial Board , Journal of Clinical and Immunological Research  
(Website: [https://www.scitechnol.com/editor-profile/Bechan\\_Sharma/](https://www.scitechnol.com/editor-profile/Bechan_Sharma/))
78. Member: Editorial Board, American J. Med. & Biol. Res., USA  
(Website: <http://www.sciepub.com/journal/AJMBR/EditorialBoard>)
79. Member: Editorial Board, American Journal of Biochemistry (Scientific and Academic Publishing) (Website: <http://www.sapub.org/journal/editorialboard.aspx?journalid=1012>)
80. Member, Advisory Board , Trends in Parasitology Research, India  
(Web site: <http://www.sciencejournal.in/TPR-%20Editorial%20Board.htm>)
81. Member, Editorial Board, Advances in Environmental Research, *An International Journal* (AER), Korea. Website: <http://technopress.kaist.ac.kr/?journal=aer&subpage=2#>)
82. Member, Editorial Board, Journal of Nutritional Therapeutics, [www.lifescienceglobal.com](http://www.lifescienceglobal.com)
83. Member, Editorial Board, Bioengineering and Bioscience  
(Website: [http://www.hrpub.org/journals/jour\\_editorialboard.php?id=1](http://www.hrpub.org/journals/jour_editorialboard.php?id=1))
84. Member, Editorial Board, Biochemical Compounds.  
(Website: <http://www.hoajonline.com/biochemcomp/editorialboard>)
85. Member, Editorial Board, SCIREA J. Biology,  
(Website: <http://www.scirea.org/journal/EditorialBoard?JournalID=18000>)
87. Member, Editorial Board, Critical Care Medicine (Website: <https://control.zinianz.com/editorial-board/1/106>)
88. Member, Editorial Board, Global Journal of Public Health and Epidemiology  
(Website: <http://www.globalscienceresearchjournals.org/gjphe/editorial-board>)
89. Member, Editorial Board, Journal of Advances in Molecular Biology  
(Website: <http://www.isaacpub.org/EditorialBoard.aspx?ids=21>)
- 90.



91. Member, Editorial Board, Jacobs Journal of Biochemistry
92. Member, Editorial Board, Oncology Discovery (Herbert Publications)  
(Website: <http://www.hoajonline.com/oncology/editorialboard>)
93. Member, Editorial Board, Trends in Parasitology Research  
(Website: <http://www.sciencejournal.in/TPR-%20Editorial%20Board.htm>)
94. Member, Editorial Board, Int. J. Research in Computer Sciences  
(Website: <http://www.ijorcs.org/editorial-board>)
95. Member, Editorial Board, Journal of Nutritional Therapeutics (Life Science Global)  
(Website: <http://www.lifescienceglobal.com/journals/journal-of-nutritional-therapeutics/editorial-board>)
96. Member, Editorial Board, Journal of Clinical Research in HIV AIDS and Prevention  
(website: [http://openaccesspub.org/journals/editorial\\_board.php?jid=1](http://openaccesspub.org/journals/editorial_board.php?jid=1))
97. Member, Editorial Board, European Journal of Molecular Biology (EJMB)
98. Member, Editorial Board, Scholoxo Open Access Journal  
(Website: <http://www.scholoxo.org/journals/cancer/editorial-board.php>)
99. Member, Editorial Board, International Journal of Computer and Communication Engineering Research (IJCCER) (Website: <http://ijccer.org/index.php/ojs/about/editorialTeam>)
100. Member, Editorial Board, Lifesciences Global  
(Website: <http://www.lifescienceglobal.com/journals/journal-of-nutritional-therapeutics/editorial-board>)
101. Academic Editor, for the paper, ‘Single Nucleotide Polymorphisms associated with alimentary fatty liver disease are not genetic risk factors for treatment-associated hepatic steatosis in HIV patients on HAART’, by Dold et al. in Journal of Clinical Research in HIV and Prevention, 2013  
(Website: [http://openaccesspub.org/journals/jcrhap/view-article.php?art\\_id=40&jid=1](http://openaccesspub.org/journals/jcrhap/view-article.php?art_id=40&jid=1))
102. Member, Editorial Board, Frontiers in Biological Chemistry (website:  
(Website: <http://www.edinwilson.org/journal/fbc/editorialBoard.aspx>)
103. Member, International Advisory Board, Saudi Journal of Biological Sciences, Elsevier
104. Member, Editorial Board, Journal of Heterocyclics  
(Website: [http://edelweisspublications.com/edelweiss/editors.php?journal\\_id=23](http://edelweisspublications.com/edelweiss/editors.php?journal_id=23))
105. Member, Editorial Board, Journal of Environment and Human,  
(Website: <http://www.scipublish.com/journals/EH/>)
106. Member, Editorial Board, J. Gene Therapy Aspect v  
(Website: <http://www.hoajonline.com/genetherapy/editorialboard>)
107. Member, Editorial Board, Annals of Cancer Research (Website: <http://www.vipoa.org/cancer/editorialboard>)
108. Member, Editorial Board, Current Trends in Biomedical and Life Sciences (journals.net.in)
109. Member, Editorial Board, Journal of Environment and Health (Scientific Online Publishing,  
(Website: [www.scipublish.com/journals/EH/](http://www.scipublish.com/journals/EH/); USA)
110. Member, Editorial Board, ProJournal of Natural Sciences (Website: <http://www.projournals.org/PNSR/editor.php>)
111. Member, Advisory Board, International Journal of Advance Research and Technology (IJART)  
(Website: <http://www.ijartjournal.com/EditorialBoard.aspx>)
112. Member, Editorial Board, International Journal of Cancer Research & Therapy  
(Website: <http://www.opastonline.com/editorial-board-ijcrt/>)
113. Member, Editorial Board, International Journal of Pharmacology, Phytochemistry and Ethnomedicine.  
(Website: <http://www.scipress.com/IJPPE/EditorialBoard>)
114. Member, Advisory Board, World Research Journal of Biotechnology  
(Website: <http://bioinfopublication.org/journal.php?opt=azjou&jouid=BPJ0000297&detail=editorial#>)
115. Member, Editorial Board, Current Advances in Chemistry Research (CACR)  
(Website: [http://www.vkingpub.com/HTML/CurrentAdvancesinChemistryResearch\\_1541\\_178.html](http://www.vkingpub.com/HTML/CurrentAdvancesinChemistryResearch_1541_178.html))
116. Member, Editorial Board, Current Life Sciences  
(Website: <http://www.journals.tmkarpinski.com/index.php/cls/pages/view/editors>)
117. Member, Editorial Board, Bioengineering and Bioscience  
(Website: [http://www.hrpub.org/journals/jour\\_editorialboard.php?id=1](http://www.hrpub.org/journals/jour_editorialboard.php?id=1))
118. Member, Editorial Board, Biotechnology and Molecular Biology Reviews  
(Website: <http://www.academicjournals.org/journal/BMBR/editors>)
119. Member, Editorial Board, Academic Journal of Biotechnological Research  
(Website: <https://www.xournals.com/academic-journal-of-biotechnological-research/info/editorial-board>)
120. Member, Editorial Board, DAMA International, (Website: <http://www.sciencejournal.in/contact-us/>)
121. Member, Editorial Board (International)-Cellular and Molecular Biology, France  
(Website: <https://www.cellmolbiol.org/index.php/CMB>)
122. Member, Editorial Board, Journal of Enzymology and Metabolism  
(Website: <http://www.opensciencepublications.com/journal-of-enzymology-and-metabolism/editorial-board-3>)
123. Member, Editorial Board, Journal of Gene Therapy Aspects  
(Website: <http://www.hoajonline.com/genetherapy/editorialboard>)
124. Member, Editorial Board, Journal of Microscopic Creatures (JMC)  
(Website: <http://www.annexpublishers.com/editorial-board/member/708/Bechan-Sharma-Journal-of-Microscopic-Creatures/>)
125. Member, Editorial Board, Journal of Microbiology and Modern Techniques  
(Website: <http://www.annexpublishers.com/journals/journal-of-microscopic-creatures/editorial-board.php>)

126. Member, Editorial Board, Journal of Parasitic Diseases (JOPD)  
(Website: [http://www.parasitologyindia.org/executive\\_committee.htm](http://www.parasitologyindia.org/executive_committee.htm))
127. Member, Editorial Board, Oncology (Website: <http://www.scholox.org/journals/cancer/editorial-board.php>)
128. Member, Editorial Board, Scifed Journal of Flue Science (<http://scifed.com/journal-of-flu-science/editorial-board.php>)
129. Member, Editorial Board, SCIREA Journal of Biology (Website: <http://www.scirea.org/journal/Biology>)
130. Member, Editorial Board, The Open Bioactive Compounds Journal  
(Website: <https://benthamopen.com/TOBCJ/editorial-board/>)
131. Member, Editorial Review Board, Journal of American Academic Research (JAAR)  
(Website: <https://www.american-journals.com/about>)

#### Member: Advisory Board

1. **Institute of Biotechnology and Allied Sciences Training and Research Centre**, Opp. Laxmi Area Machine, Near Samarthpura Govt. School, Piprali Road Sikar (Raj.)332001 Tel.:01572240912, [Email: info@ibarc.com](mailto:info@ibarc.com), [www.ibarc.com](http://www.ibarc.com)

2. World Research Journal of Biotechnology

(<http://bioinfopublication.org/journal.php?opt=azjou&jouid=BPJ0000297&detail=editorial#>)

**Invited Talks:** Presented many talks at several Institutes of CSIR, ICMR, Universities/Colleges in India and abroad such as Iran (1998), USA (2000-2002), Italy (2006), Kuwait (2007), France (2007-08), Thailand (2008), Brazil (2009)

**Extension of Education in Science:** Addressed various social issues such as awareness about HIV/AIDS through mass media & Population Explosion and Management in India. Some details are available online at <http://proteins.wikiprofessional.org/index.php/Concept:109906369>

#### List of candidates awarded with Ph.D. degree under supervision of Prof. B. Sharma

| S.No. | Name of candidate           | Title of Thesis   | Year of award |
|-------|-----------------------------|---|---------------|
| 1.    | Dr. Nikhat J. Siddiqi       | Studies on oxidative stress/antioxidant defense systems and interferons during malaria infection                        | 1997          |
| 2.    | Dr. Rajendra Kumar Singh    | Studies on the effect of organocarbamate pesticide, carbofuran, on non-target aquatic teleost, <i>Clarias batrachus</i> | 1999          |
| 3.    | Dr. Sandhya Srivastava      | Studies on methemoglobinemia during experimental malaria and anti malarial treatment                                    | 1999          |
| 4.    | Dr. Dhruv Sharma            | Impact of cypermethrin (synthetic pyrethroids) on the blood and tissues of <i>Clarias batrachus</i> .                   | 2001          |
| 5.    | Dr. Ippagunta Sirish Kumar  | Hepatitis E virus in sewage: Studies on frequency and seasonal variation  | 2008          |
| 6.    | Dr. Devendra K Rai          | Studies on organocarbamate induced alterations in mammalian (rat) brain   | 2010          |
| 7.    | Dr. Aradhna Gupta           | Biochemical studies on the interactions of bioaccumulated toxicants in some fish species                                | 2011          |
| 8.    | Dr. Anita Singh             | Low temperature acclimative studies on silk worm, <i>Philosamia ricini</i>  | 2011          |
| 9.    | Dr. Ratnesh Sharma          | Studies on pesticides induced biochemical alterations in human blood  | 2012          |
| 10.   | Dr. Sunil K. Jaswal         | Biochemical studies on the pesticide induced stress in mammalian system and its possible amelioration                   | 2015          |
| 11.   | Dr. Neeharika Srivastava    | Studies on the evaluation of the biological activities of some plant extracts   | 2017          |
| 12.   | Dr. Aishwarya Singh Chauhan | Production and Applications of $\alpha$ -galactosidases from some identified Fungal species: A Biochemical Study        | 2018          |

#### Mentor for the Post Doctoral Fellows

| S.No | Name of Post Doctoral Fellows | Funding agency                     | Year         |
|------|-------------------------------|------------------------------------|--------------|
| 1.   | Dr. Ms. Ayesha Khan           | Research Associate-CSIR, New Delhi | 1995-1998    |
| 2.   | Dr. Sanjeev Kr. Maurya        | Dr. DS Kothari PDF, UGC-New Delhi  | 2006-2007    |
| 3.   | Dr. Sanjay Kumar              | Dr. DS Kothari PDF, UGC, New Delhi | 2007-2008    |
| 4.   | Dr. Ms. Shweta Singh          | Dr. DS Kothari PDF, UGC-New Delhi  | 2008-2010    |
| 5.   | Dr. Ms. Reetika Singh         | NPDF-DST, New Delhi                | 2016-2018    |
| 6.   | Dr. Pawan Kumar Dohare        | Dr. DS Kothari PDF, UGC-New Delhi  | 2019-2021    |
| 7.   | Dr. Anusha Singh              | Dr. DS Kothari PDF, UGC-New Delhi  | To join soon |

#### Extra Curricular Activities

1978 Inter Collegiate Debate Champion at District Level

1980-todate Several Scientific Talks / Interviews broadcasted through All India Radio

1988-todate Several Scientific Interviews Published in News Papers (AmarUjala, DainikJagran)

1997-2000 Contributed in Organizing Youth Festivals at Dr.R.M.L.Avadh University, Faizabad

2003-2004 Live Telecast by E-TV, Sahara TV of my Interviews on HIV-1 Infection in India

2008 June 15 Delivered a talk at The National Academy of Sciences-India, Allahabad on HIV and AIDS (Web site: <http://nasi.nic.in/DNA%20Club.htm>)

- 2009 Opinion on **Stem-cell transplant wipes out HIV** by Hütter, G. *et al. N. Engl. J. Med.* **360**, 692–698 (2009). NatureNews, Published online 11 February 2009 | Nature | doi:10.1038/news.2009.93, <http://www.nature.com/news/2009/090211/full/news.2009.93.html>
- 2009 Opinion on **Nano-delivery could help tackle HIV** by Woodrow K.A. *et al. Nature Mater.* advanced online publication doi: 10.1038/NMAT2444 (2009). Published online 3 May 2009 | Nature | doi:10.1038/news.2009.435, <http://www.nature.com/news/2009/090503/full/news.2009.435.html>
- 2010 Opinion on **New Drug in Store to Fight AIDS?** in Times in India, May 06 (Web site: <http://aidssupport.aarogya.com/news-and-events/new-drug-in-store-to-fight-aids>)
- 2010 May 09 Delivered a talk at The National Academy of Sciences-India, Allahabad on PCR: Principle and Applications (Web site: <http://nasi.nic.in/DNA%20Club.htm>)
- 2017 Tribute to Mark Wainberg (Eds: Eric J. Arts, Anne Gatignol, Andrew J. Mouland, Chen Liang, Matthias Götte and Hugo Soudeyns). *RETROVIROLOGY* **14**:38; DOI 10.1186/s12977-017-0361-6

## Publications

### **Molecular Virology/ Microbiology/Biotechnology (30)**

1. Reetika Singh, Abhigyan Nath, **Bechan Sharma** (2019) Docking Studies of HIV-1 Reverse Transcriptase and HIV-1 Integrase with Phytocompounds of *Carissa Carandas* L. *JOURNAL OF CLINICAL RESEARCH IN HIV AIDS AND PREVENTION* **3**(4): 10-19.
2. **B. Sharma** (2018) Human immunodeficiency virus type 1 reverse transcriptase (HIV-1RT) catalysed misinsertion and mispair extension and drug resistance. In: Proceedings of an International Conference on Trends in Biochemical and Biomedical Research: Advances and Challenges. *RESEARCH REPORTS* **2**:e1-e205. doi:10.9777/rr.2018.1001-10319 ([www.companyofscientists.com/index.php/chd](http://www.companyofscientists.com/index.php/chd))
3. SG Klochkov, ME Neganova, NS Yarla, M Parvathaneni, **B Sharma**, VV Tarasov, G Barreto, SO Bachurin, GM Ashraf, G Aliev (2017) Implications of farnesyltransferase and its inhibitors as a promising strategy for cancer therapy. *SEMINARS IN CANCER BIOLOGY* **2017** Oct 31. pii: S1044-579X(17)30044-5. doi:10.1016/j. IF:10.195
4. Manish K Singh, **B. Sharma** and PK Tiwari (2017) The small heat shock protein Hsp27: Present understanding and future prospects. *JOURNAL OF THERMAL BIOLOGY* **69**:149–154; IF 2.23
5. **B. Sharma** and Shweta Singh (2016) HIV-AIDS and aging. Challenges and management. *JOURNAL OF HUMAN VIROLOGY AND RETROVIROLOGY* **3**(5): 1-6; 00109
6. Shweta Singh, **B. Sharma** and Nikhat Siddiqi (2016) Hydrazones as prospective antiHIV agent. *EUROPEAN JOURNAL OF BIOMEDICAL AND PHARMACEUTICAL SCIENCES*, **3**(4): 454-458.
7. **B.Sharma** (2015) Advances in development of integrase inhibitors as antiHIV1 regimen. *JOURNAL OF HIV & RETROVIRUSES*, **1**(1): 1-3.
8. S Singh and **B. Sharma** (2015) Immunodeficiency and Microbial infections. *JOURNAL OF MICROSCOPIC CREATURES* **1**(1): (Published online).
9. Singh S and **B. Sharma** (2015) Phytochemicals from medicinal plants and herbs as antiHIV-1 agents (article id:277042978) *INTERNATIONAL JOURNAL OF PHARMACOGNOSY AND PHYTOCHEMISTRY* (Accepted)
10. **B. Sharma** (2015) Drug Resistance in HIV-1: Genetic and Molecular Bases, Mechanisms and Strategies to Combat the Issue. *BIOCHEMISTRY AND ANALYTICAL BIOCHEMISTRY*, **4**:e153.
11. **B. Sharma**, Shweta Singh and Nikhat J. Siddiqi (2014) Biomedical implications of heavy metals induced imbalances in redox systems. *BIOMEDICAL RESEARCH INTERNATIONAL* Volume 2014 (2014), ArticleID 640754, 26 pages. <http://dx.doi.org/10.1155/2014/640754>
12. A.S.Chauhan, N.J.Siddiqi, **B. Sharma** (2014) A novel promising strain of *Trichoderma evansii* (WF-3) for extracellular  $\alpha$ -galactosidase production by utilizing different carbon sources under optimized culture conditions. *BIOMED RESEARCH INTERNATIONAL*, Volume 2014, Article ID 640754, 26 pages; IF:2.706 <http://dx.doi.org/10.1155/2014/640754>,
13. Tabish Qidwai, Farrukh Jamal, Mohd Y. Khan and **B. Sharma** (2014) Exploring Drug Targets in Isoprenoid Biosynthetic Pathway for *Plasmodium falciparum*. *BIOCHEMISTRY RESEARCH INTERNATIONAL*, Volume 2014, Article ID 657189, 12 pages; <http://dx.doi.org/10.1155/2014/657189>
14. **B. Sharma** (2014). Oxidative stress in HIV patients receiving antiretroviral therapy. *CURRENT HIV RESEARCH* **12**(6):13-21. IF 2.033
15. **B. Sharma** (2014). HIV-1, Neuro-AIDS and Cognitive Impairments. *JOURNAL OF NEUROINFECTIOUS DISEASES* **5**: e103. doi: 10.4172/2314-7326.1000e103
16. **B. Sharma** (2013). Phytochemicals may arrest HIV-1 progression. *CLINICAL RESEARCH IN HIV AIDS & PREVENTION*, **1**(3): 30-35.
17. A. S. Chauhan, N. Srivastava and **B. Sharma** (2013) Optimization of culture conditions for some identified fungal species and stability profile of  $\alpha$ -galactosidase produced. *BIOTECHNOLOGY RESEARCH INTERNATIONAL* Published online. (Article ID 920759, 8 pages, <http://dx.doi.org/10.1155/2013/920759>)
18. S.K.Maurya, M. Tewari, **B. Sharma**, HS Shukla (2013). Expression of procaspase 3 and activated caspase 3 And its relevance in hormone-responsive gall bladder carcinoma chemotherapy. *KOREAN JOURNAL OF INTERNAL MEDICINE*, **28**(5):573-578. IF 0.41
19. **B. Sharma** (2013). Exploring experimental animal model in HIV/AIDS research. *BIOCHEMISTRY AND ANALYTICAL BIOCHEMISTRY*, **2** (2):1-3.
20. Claudia P Muniz, Lian L Troncoso, Miguel M Moreira, Esmeralda A Soares, Alcides Pissinatti, Cibele R Bonvicino, Héctor N Seuánez, **B. Sharma**, Hongwei Jia, Anupama Shankar, William M Switzer, Andre F Santos and Marcelo A Soares (2013). Identification and characterization of highly divergent simian foamy viruses in a wide range of New World primates from Brazil. *PLoS ONE*, **8**(7): e67568.

- doi:10.1371/journal.pone.0067568; IF 3.73
21. Kamalendra Singh, Bruno Marchand, Devendra K. Rai, **B. Sharma**, Eleftherios Michailidis, Emily Ryan, Kayla B. Matzek, Maxwell D. Leslie, Ariel K. Hagedorn, Zhe Li, Pieter Norden, Atsuko Hachiya, Michael A. Parniak, Hong-Tao Xu, Mark A. Wainberg and Stefan G. Sarafianos (2012). Biochemical Mechanism of Clinical Resistance to Rilpivirine. JOURNAL OF BIOLOGICAL CHEMISTRY, **287**, (45), 38110–38123. IF 4.61
  22. **B. Sharma** (2012). Attributes of Host's Genetic Factors in HIV-1 Pathogenesis. BIOCHEMISTRY AND ANALYTICAL BIOCHEMISTRY, 2012, **1**:4
  23. K. Singh, D. K. Rai, **B. Sharma**, E. Michailidis, E. M. Ryan, K. B. Matzek, M. D. Leslie, A. N. Hagedorn, Hong-Tao Xu, M. A. Wainberg, B. Marchand, S. G. Sarafianos (2012). Biochemical mechanisms of clinical Resistance to rilpivirine. BMC INFECTIOUS DISEASES 12(Suppl 1):P94 (Impact Factor: 2.83)
  24. **B. Sharma** (2011). The antiHIV-1 drugs toxicity and management strategies. NEUROBEHAVIOURAL HIV MEDICINE **3**: 1–14.
  25. A.K. Mishra, A. Mishra, H. K. Kehri, **B. Sharma** and A. K. Pandey (2009) Inhibitory activity of Indian spice plant *Cinnamomum zeylanicum* extracts against human and plant pathogenic dematiaceous moulds. ANNALS OF CLINICAL MICROBIOLOGY & ANTIMICROBIALS, **8**:9, 1-21 (Impact Factor 1.54)
  26. **B. Sharma**, Emmanuele Crespan, Giuseppe Villani and Geovanni Maga (2008). The balance between the rates of incorporation and pyrophosphorolytic removal influences the HIV-1 reverse transcriptase bypass of an abasic site with deoxy-, dideoxy- and ribonucleotides. PROTEINS: STRUCTURE, FUNCTION & BIOINFORMATICS, **71** (2) 715–727 (Impact Factor 3.419)
  27. Sirish Kumar, S. Naik, **B. Sharma** and Rakesh Agarwal (2007). Presence of hepatitis E virus in sewage in northern India: frequency and seasonal pattern. JOURNAL OF MEDICAL VIROLOGY **79** (12)1827-1831 (Impact Factor 2.271)
  28. **B. Sharma**, N.Kaushik, S.Tripathi, K.Singh and V.N.Pandey (2003). A positively charged side chain at position 154 on the  $\beta 8$ - $\alpha E$  loop of HIV-1 RT is required for stable ternary complex formation. NUCLEIC ACIDS RESEARCH (USA) **31**: (17) 5167-5174. (Impact Factor 11.56)
  29. **B. Sharma**, N. Kaushik, K. Singh, S. Singh and V.N.Pandey (2002). Substitution of conserved hydrophobic residues in Motifs B and C of HIV-1 RT alters the geometry of the catalytic pocket. BIOCHEMISTRY (USA) **41**: 15685-15697 (Impact Factor 3.0)
  30. P.K Pandey, N. Kaushik, K. Singh, **B. Sharma**, A. Upadhyay, S. Kumar, D. Harris, and V.N. Pandey (2002). Insertion of a small peptide of six amino acids into the  $\beta 7$ - $\beta 8$  loop of the p51 subunit of HIV-1 reverse transcriptase perturbs the heterodimer and affects its activities. BMC BIOCHEMISTRY (USA) **3**:18 (Impact Factor 1.941)

#### Molecular Toxicology / Biochemistry (101)

1. Reetika Singh and **Bechan Sharma** (2019) Therapeutic Potential of Plant Based Natural Compounds as antimalarial – Recent Advances and Future Perspective. EC PHARMACOLOGY AND TOXICOLOGY, **7**(10), 1078-1089.
2. Abhishek Kumar, **Rashmi Pandey**, Nikhat Jamal Siddiqi and Bechan Sharma (2019) Oxidative Stress Biomarkers of Cadmium Toxicity in Mammalian Systems and their distinct Ameliorative Strategy. JOURNAL OF APPLIED BIOTECHNOLOGY AND BIOENGINEERING **6**(3):126–135.
3. Nitika Singh and **Bechan Sharma** (2019). Role of Toxicants in Oxidative Stress Mediated DNA Damage and Protection by Phytochemicals". EC PHARMACOLOGY AND TOXICOLOGY **7**:1-7.
4. Vivek K Gupta, Nikhat Jamal Siddiqi, Anil Kumar Ojha and **Bechan Sharma** (2019) Hepatoprotective Effect of *Aloe vera* against Cartap and Malathion Induced Toxicity in Wistar Rats. JOURNAL OF CELLULAR PHYSIOLOGY (Published online). doi: 10.1002/jcp.28466 IF:3.923
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**Low Temperature Induced Stress & Biomolecular Imbalances in Silkworms** (2013) **B. Sharma** and Anita Singh. LAP Lambert Academic Publishing, OmniScriptum GmbH & Co. KG, Heinrich-Böcking-Str. 6-8, 66121, Saarbrücken, Germany. ISBN NO. 978-3-659-48296-0. 172 pages. (<http://www.amazon.in/Temperature-Induced-Biomolecular-Imbalances-Silkworms/dp/365948296X>)

**Molecular Genetics of Chronic Pancreatitis: Implications in Diagnosis and Prognosis**

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5. Abhishek Kumar, Nitika Singh, Rukmani Pandey, Vivek Kumar Gupta and **B. Sharma** (2018) Biochemical and Molecular Targets of Heavy Metals and Their Actions. In: Biomedical Applications of Metals, (Eds.: Mahendra Rai, Avinash P. Ingle and Serenella Medici), © Springer International Publishing AG, part of Springer Nature 2018. pp.297-319. ISBN 978-3-319-74814-6 (<https://link.springer.com/book/10.1007%2F978-3-319-74814-6>)
6. Reetika Singh and **B. Sharma** (2018) Metal-Based Therapy in Traditional and Modern Medicine Systems. In: Biomedical Applications of Metals, (M. Rai et al. (Eds. Eds.: Mahendra Rai, Avinash P. Ingle and Serenella Medici), © Springer International Publishing AG, part of Springer Nature 2018. pp.195-211. ISBN 978-3-319-74814-6 (<https://link.springer.com/book/10.1007%2F978-3-319-74814-6>)
7. Yarla NS, Sukocheva O, Peluso I, Putta S, Veerabrahmachari P, Yadala R, Tiwari DK, Jagarlamudi S, Scotti L, Scotti MT, Reale M, Kamal MA, Ghulam A, **Sharma B.**, Parvathaneni M, Rao CV, Mannarapu M, Bishayee A (2017) Targeting Arachidonic Acid Pathway-Associated NF-κB in Pancreatic Cancer. In: Role of transcription factors in Gastrointestinal malignancies. Springer Nature Singapore Pte Ltd, (Eds: Nagaraju, Ganji Purnachandra, Bramha Chari, P. Veera), ISBN 978-981-10-6727-3.
8. Vivek K. Gupta and **B. Sharma** (2015) Environmental Hazards Due to Xenobiotics Contamination: Growing Risk to Human Health and Possible Remedies. In: Green Social Work: Environmental Protection (Eds. Alka Verma, UPRTOU-Allahabad).
9. **B. Sharma**, S. Singh, S.K. Jaiswal and N. J. Siddiqi (2015) Xenobiotics-mediated modulation of ATPases and biomedical implications. In: ATPases. Springer Publications (Eds: N. Dhalla and Sajal Chakraborti), Canada, ISBN 978-3-319-24748-9
10. S. Singh and **B. Sharma** (2014) Oxidative stress in Chronic Pancreatitis. In: Oxidative Stress in Gastrointestinal Disorders (Eds. D. Armstrong & S.Bharali; Humana Press, USA)
11. **B. Sharma** (2012) On the xenobiotics: Applications, metabolism, toxicity and management. In: Global Warming and Climate Change, pp.310-336. Published by APH Publishing Corporation, New Delhi. (Eds. BD Joshi, GC Pandey and Namita Joshi).
12. Anju Agrawal and **B. Sharma** (2012) Heavy metals contamination in the riverine systems and impact on the biological constituents of aquatic and mammalian systems. In: Recent Advances in Agricultural Biotechnology, pp. 345-360. Published by Society of Biological Sciences & Rural Development, Allahabad, India.
13. Abhay K. Pandey and **B. Sharma** (2011) Vaccines: Perspectives and Trends. In: Recent Trends in Biotechnology. (Eds. M.P.Singh, A. Agrawal and **B.Sharma**), NOVA Science Publishers, NY, USA. pp.59-76
14. Anju Agrawal and **B. Sharma** (2011): Cellular Metabolism: An Introduction. In: In Silico Biology. (Eds. Ashutosh K Singh and Pramod Katara), Banasthali Vidyapeeth, Jaipur, Rajasthan, India
15. Anju Agrawal and **B. Sharma** (2011) Genetically Modified Food: Prospects and Retrospects. In: Recent Trends in Biotechnology. (Eds. M.P.Singh, A Agrawal and **B.Sharma**), NOVA Science Publishers, NY, USA. pp. 229-260
16. Anju Agrawal and **B. Sharma** (2011) Advances and Applications of In Silico Drug Design. (Eds. M.P.Singh, A Agrawal and **B.Sharma**), NOVA Science Publishers, NY, USA. pp.105-124
17. Devendra K Rai, Anju Agrawal, **B. Sharma** (2010) Stem Cells Research: Prospect and Retrospect. In: Recent Trends in Biotechnology. (Eds. M.P.Singh, A Agrawal and **B.Sharma**), NOVA Science Publishers, NY, USA. pp.101-120. Website:  
[https://www.novapublishers.com/catalog/product\\_info.php?cPath=23\\_29&products\\_id=10885&osCsid=0b3ad2babca3010de9f3ba712202333c](https://www.novapublishers.com/catalog/product_info.php?cPath=23_29&products_id=10885&osCsid=0b3ad2babca3010de9f3ba712202333c)
18. Anju Agrawal and **B. Sharma** (2010): Proteomics, In: Recent Trends in Biotechnology. Vol.I. (Eds. M.P.Singh, A. Agrawal and **B.Sharma**), Nova Science Publishers-NY, USA, pp. 13-30



19. Anju Agrawal and **B. Sharma** (2009): Fisheries Management, Economics and Perspectives. In: "Fisheries: Management, Economics and Perspectives" (**Editors:** Nelson F. McManus and David S. Bellinghouse, Spain/USA). [https://www.novapublishers.com/catalog/product\\_info.php?products\\_id=11470](https://www.novapublishers.com/catalog/product_info.php?products_id=11470)
20. **B. Sharma** and A. Agarwal (2007). Bioremediation: a review. In: Applications of Biotechnology (Eds. B.N. Tewari), pp.119-148, India.
21. **B. Sharma** (2007). Biodegradation of Xenobiotics. In: Applications of Biotechnology (Eds. B.N. Tewari), pp.9-29, India.

**ABSTRACT / PAPER PRESENTATIONS in NATIONAL/INTERNATIONAL CONFERENCES / SYMPOSIA/ MEETINGS (170)**

1. **Bechan Sharma** (2019) Impact of mutations of an amino acid at position 154 on the DNA polymerase function of HIV-1RT. Proceedings of 14<sup>th</sup> India-Japan Japan International Conference BICON2019 held at Biyani Group of Colleges at Jaipur, Rajasthan on September 23-25, 2019. **Plenary talk**
2. Vivek Kumar Gupta and **Bechan Sharma** (2019) Impact of pesticide mixtures on the biochemical markers in rats and protective effect of Aloe vera leaves extract. Proceedings of 14<sup>th</sup> India-Japan Japan International Conference BICON2019 held at Biyani Group of Colleges at Jaipur, Rajasthan on September 23-25, 2019. **Invited talk**
3. **Bechan Sharma** (2019) Teaching methods and effective communication. Workshop on Teaching Methodology and Communication techniques, Jiwaji University, Gwalior, MP during July 27. **Chief Guest and Invited Speaker**
4. **Bechan Sharma** (2019) Drug resistance in HIV-1: Challenges and solutions. International Conference on Advances and Innovations in Biotechnology. Proceedings of AKS University, satna, MP during April 5-7. **Invited Speaker**
5. **Becan Sharma** (2019) Infidel cDNA synthesis by HIV-1RT: implications in drug resistance. National Conference on Advances in Interdisciplinary Research in Biological Chemistry at D.RML Avadh University, Faizabad during March 28-29, 2019. Invited Speaker and Chief Guest
6. **Bechan Sharma** (2019) Application of pesticides in agricultural practices and human health. In the proceedings of the 21<sup>st</sup> National Agricultural Scientists and Farmers' Congress held on February 26-17, at Sringverpur, Prayagraj.
7. Nitika Singh and **Bechan Sharma** (2019) An *invitro* studies on the impact of *Citrus limon* juice on the kinetic characteristics of acetylcholine esterase against lead and cartap induced perturbations, An International Conference on Global Environmental Challenges Human Health and Sustainable Development at the Convention Centre, JNU, New Delhi during 11-13 January 2019.
8. **Bechan Sharma** (2019) Heavy metals pollution in riverine systems: Challenges and solutions. In: Proceedings of the National River Conference, at Kulbhaskar Degree College, Prayagraj. January 13, 2019.
9. Nitika Singh and **Bechan Sharma** (2018) Studies on the combined impact of lead and cartap on the kinetic characteristics of lactate dehydrogenase from rat heart and amelioration by *Citrus limon* fruit extract, An International Conference on Emerging Issues in Agricultural, Environmental and Applied Science for Sustainable Development, SHUATS, Allahabad on December 27-29, 2018.
10. **B. Sharma** (2018) Member, National Advisory Board, and Invited speaker on, 'Association of Misinsertion and Mispair extension by Human Immunodeficiency Virus type 1 Reverse Transcriptase with Drug Resistance in National Conference on 'Role of modern biological sciences for enhancing farmers' economy and welfare of the society', Nov.12-13, Faculty of Science, RRP-G-College, Amethi, UP
11. Vivek K Gupta and **B. Sharma** (2018) Extract of *Parthenium hysterophorus* leaves contains anti-HIV-RT potential. **Poster 9**. Presented in 4<sup>th</sup> Innovative Approaches for Identification of Antiviral Agents Summer School. September 24-28, at Santa Margherita di Pula, Sardinia, Italy.
12. **B. Sharma** (2018) Molecular cloning and Gene expression. Key Note Speaker in three days workshop on Genetic Engineering, Molecular cloning and Expression at CPM College, University of Allahabad, Allahabad on Sept 13.
13. **B. Sharma**, Jaiswal S K and Gupta V K (2018) Inhibition of mammalian acetylcholinesterase by carbofuran and protection by vitamin C and Citrus limon fruit extract. Annual Congress on Medicinal Chemistry, Pharmacology and Toxicology held on July 30-31 at Amsterdam, Netherland. J.Org.Inorg.Chem.(2018)4; DOI: 10.21767/2472-1123-C3-009
14. **B. Sharma** (2018) On the drug resistance profiles of clinical isolates of HIV-1 in the background of ART. 3<sup>rd</sup> Asia Pacific Conference on AIDS & Co-Infections (APACC): Translating Science and Clinical Practice, Hong Kong, June 27-30,
15. **B. Sharma** (2018) A possible mechanism involved in inhibition of lactate dehydrogenase activity by carbofuran. Invited Talk, 9<sup>th</sup> International Congress of Environmental Research (ICER-18), Feb.8-10.
16. **B. Sharma** (2018) Human immunodeficiency virus type 1 reverse transcriptase (HIV-1RT) catalysed misinsertion and mispair extension and drug resistance. In: Proceedings of an International Conference on Trends in Biochemical and Biomedical Research: Advances and Challenges. February 13-15, e8. **RESEARCH REPORTS**; 2:e1-e205. doi:10.9777/rr.2018.1001-10319 **Invited talk**
17. **B. Sharma** (2018) On the mechanistic basis of rilpivirin resistance (RPV) in human immunodeficiency virus reverse transcriptase (HIV1 RT). 1<sup>st</sup> North Indian Science Congress (NISC-2018) & International Conference on Science and Technology for Sustainable Future. University of Allahabad, January 10-11, 2018. **Invited talk**
18. **B. Sharama** (2018) Xenobiotics, toxicity and human health. UGC Staff College-University of Allahabad, Jan.09, 2018. **Invited talk**
19. **B. Sharma** (2017) Rilpivirin resistance in HIV-1: A mechanism based on transient kinetics. NCBBCB-2017, Banasthali Vidyapeeth, Rajasthan October 30-31, 2017. **Key Note speaker**
20. **B. Sharma** (2017) HIV-1 infections, diagnosis, treatments and challenges. UGC-Staff College. **Invited talk**

21. **B. Sharma** (2017) Diet for sports persons. In: Antidoping Seminar/Workshop at University of Allahabad, Sept.15, 2017. **Special lecture**
22. **B. Sharma** (2017) Integrase Inhibitors: Prospects and retrospects. 2<sup>nd</sup> Asia Pacific Conference on AIDS & Co-Infections (APACC) Translating Science and Clinical Practice, Hong Kong, May31-June 03. **Invited talk**
23. **B. Sharma** (2017) Target specific anti-HIV-1 Drug Design and Development. **Invited Talk** on International Conference on biological Sciences and Biostatistics, March 9-10, 2017.UPRTOU-Phaphamau, Allahabad. Invited talk
24. **B. Sharma** (2017) Molecular cloning and expression analysis of recombinant proteins. Applications in Biomedical Sciences. **Plenary Talk** on National Symposium on Current Updates in Biochemistry, Feb 26, 2017. MLNMedical College, Allahabad.
25. **B. Sharma** (2016) Current Scenario of HIV/AIDS in India: Challenges and solutions. **Plenary Talk** on World AIDS Day, December 1, 2016. SHIATS-Naini, Allahabad
26. **B. Sharma** (2016) Site Directed Mutagenesis and production of recombinant proteins: Applications in Biotechnology Research. **Talk from a Resource person** at RD University, Jabalpur, November 19, 2016.
27. **B. Sharma** and Shweta Singh (2016) Drug targets, resistance and challenges against HIV/AIDS.Proceedings of National Conference on Current Advances in Science and Technology. March 19. Rama University-Kanpur. Plenary Talk
28. **B. Sharma** and Shweta Singh (2016) Challenges to second generation antiretrovirals in chemotherapy and strategies to combat drug drug resistance in HIV/AIDS patients. Proceedings of the National Conference on Life Style and Chronic Diseases: A threat to sustainable public health. March 9-10. KGMC-LKO. Invited talk and Chaired Session
29. **B. Sharma** (2016) Error prone cDNA synthesis by HIV 1 reverse transcriptase a potential threat to chemotherapy of AIDS. Proceedings of BIOKUMBH 2016 (A National Conference on Recent Advances and Trends in Biotechnology) ,Centre for Biotechnology, University of Allahabad, Allahabad. February 20-21. Invited talk
30. **B. Sharma** (2016) Mutations at K154 in HIV-1RT: Impact on fidelity and drug sensitivity. Proceedings of International Conference on Translational Biotechnology 'BioSangam 2016' MNNIT- Aild, February 4-6. Plenary Talk / Chaired a Technical session.
31. Vivek K Gupta and **B. Sharma** (2016) Carbofuran induced toxicity in wistar rat liver may be ameliorated by pretreatment with *Citrus limon* fruit extract. Proceedings of International Conference on Translational Biotechnology 'BioSangam 2016' February 4-6. Poster presentation
32. Shweta Singh and **B. Sharma** (2016) Phytochemicals from Indian traditional medicinal plants as antiHIV-1 drugs. Proceedings of International Conference on Translational Biotechnology 'BioSangam 2016' February 4-6. Poster presentation.
33. Neeharika Srivastava and **B. Sharma** (2015). Phytochemical analysis of *A. mexicana* using chromatographic techniques. Proceedings of International Conference on Translational Biotechnology 'BioSangam 2016' February 4-6. Poster presentation
34. Neeharika Srivastava, Nikhat Jamal Siddiqi and **B. Sharma** (2015). Phytochemical characterization of *A. Mexicana* and impact on acetylcholinesterase from human erythrocytes. Proceedings of the National Academy of Sciences, India. KIIT University, Bhubaneswar, Odisha. December 6-8.
35. Vivek Kumar Gupta, Ashutosh Pathak, Nikhat J. Z.Siddiqi and **B. Sharma** (2015).In vitro modulation of rat brain acetylcholinesterase by carbofuran. Proceedings of the National Academy of Sciences, India. KIIT University, Bhubaneswar, Odisha. December 6-8.
36. **B. Sharma**. Properties of phosphofructokinase (PFK) from filarial and mammalian systems. Proceedings of the National Workshop on Capacity Building in Disease Control and Sustenance. Department of Zoology, University of Allahabad. 2015. **Invited talk**
37. Neeharika Srivastava, Sunil K. Jaiswal and **B. Sharma**.Effect of *Argemone mexicana* seed extract on biochemical markers of human blood in vitro. 102<sup>nd</sup> Indian science congress held at University of Mumbai from January 3-7, 2015. **Poster presentation.**
38. Sunil K. Jaiswal, Neeharika Srivastava and **B. Sharma**.In vitro impact of carbofuran and vitamin C on the Hepatocytes of Wistar Rat. 102<sup>nd</sup> Indian science congress held at University of Mumbai from January 3-7, 2015. **Poster presentation.**
39. Aishwarya S. Chauhan, Arunesh K. Mishra and **Bechan Sharma**.Characterization of extracellular Alpha-galactosidase from a new isolate of Trichoderma. 102<sup>nd</sup> Indian science congress held at University of Mumbai from January 3-7, 2015. **Poster presentation.**
40. Srivastava N. and **B. Sharma**. Effect of *Argemone mexicana* seed extract on biochemical markers of human blood *in vitro*. Proceedings of 102<sup>nd</sup> Indian Science Congress 2015 held at University of Mumbai on January 03-07, 2015. **Poster presentation**
41. **B. Sharma**. Acetylcholinesterase and phosphofructokinase from *Setaria cervi*: putative chemotherapeutic targets against filariasis. Proceedings of Interanational Conference and Global Biodiversity Meet on Parasites 12-15 Dec., 2014, University of Allahabad, India. **Invited Talk and Chair**
42. Neeharika Srivastava and **B. Sharma**. Impact of *Argemone mexicana* seed extract on Morphological and Biochemical Properties of human blood cells. XXXVIII All India cell biology conference and International symposium on Cellular Response to Drugs, held at CSIR- Central Drug Research Institute, Lucknow, U.P. from December 10-12, 2014. **Poster presentation.**
43. Aishwarya S. Chauhan and **B. Sharma**. Characterization of extracellular Alpha-galactosidase from a new isolate of *Penicillium* sps. XXXVIII All India cell biology conference and International Symposium on Cellular Response to Drugs, held at CSIR- Central Drug Research Institute, Lucknow, U.P. from December 10-12, 2014. **Poster presentation.**

44. **B. Sharma.** Roles of amino acid residues located at the  $\alpha$ -E and  $\beta$ -8 loop of HIV-1 RT. Proceedings of the National Conference on Bioengineering and Biotechnology: An Industrial Perspective. Held by Amity University at Lucknow-UP, India. October 16-17, 2014. **Invited Talk and Chair**
45. **B. Sharma.** On the Error prone DNA synthesis by HIV-1 RT. Proceedings of the International Seminar on New Frontiers in Biotechnology: Functional Genomics and Proteomics. Held at Department of Biotechnology, Invertis University, Bareilly, India. on September 27-28, 2014. **Invited Talk and Chair.**
46. Sunil K Jaisawal, Shweta Singh, Nikhat J. Siddiqi, R.S.Pandey and **B. Sharma.** Current perspective of research on carbofuran induced toxicity in mammalian systems and amelioration. Proceedings of the National Conference on Environmental Protection and Sustainable Development held by Sky Institute-Lucknow on June 5-6, 2014. **Invited Talk and Chair**
47. Sunil K Jaisawal, Shweta Singh, Nikhat J. Siddiqi, R.S.Pandey and **B. Sharma.** Biocheical studies on carbofuran-pancreas interaction: amelioration by curcumin. Proceeding of the National Conference on Environmental Protection and Sustainable Development, held by Sky Institute-Lucknow on June 5-6, 2014. **SKJ** was awarded **Young Scientist Award.**
48. **Sharma B.** Current Scenario of HIV-1/AIDS in India: An urgent need to address. National Seminar on 'Biodiversity', at SEMAT-Allahabad, India on March 30-31, 2014. **Invited Talk and Chair**
49. **Sharma B.** On the role of LPQGWK motif in HIV-1RT catalysed cDNA synthesis. National Seminar on 'Innovations of Science and Technology for Inclusive Development' by Department of Chemistry, Allahabad, India on March 30-31, 2014. **Invited Talk and Chair**
50. **Sharma B.** Structure-function relationship of HIV-1RT. 2<sup>nd</sup> Lucknow Science Congress, held at Baba Bhim Rao Ambedkar University-Lucknow, India on March 27-28, 2014. **Invited Talk and Chair**
51. **Sharma B.** Current perspectives of research on HIV-1/AIDS: problems and solutions. International Conference on Advanced Materials and Applications (ICAMA-14), held at Centre of Material Sciences, University of Allahabad, Allahabad, India on March 24-26, 2014. **Invited Talk**
52. **Sharma B.** Global perspective of HIV-1/AIDS with special reference to India. Annual Session of Association of Biochemistry, Biotechnology and Bioinformatics, at Avinash Lingam University of Coimbatore-Tamil Nadu, India on March 20-21, 2014. **Valedictory Invited Talk**
53. **B. Sharma.** New Targets for antiHIV-1 drugs design and development to arrest HIV-1 progression. Proceedings of Symposium on Biotechnology and Human Welfare. CMP Degree College-University of Allahabad, Allahabad. 24<sup>th</sup> October, 2013; **Experts's Talk**
54. Anti-HIV-1 targets against HIV-1 pathogenesis in humans. **B. Sharma.** Proceedings of symposium on recent advances in biochemistry and biotechnology: applications in health, environment and agriculture. At University of Lucknow, 29-31 October 2013. **Invited Talk**
55. Phytochemicals as antiHIV-1 tools. **B. Sharma.** Proceedings of International Conference and Exhibition on Biochemical and Molecular Engineering, Hilton San Antonio Airport, USA. October 7-9, 2013. Website: <http://www.omicsgroup.com/conferences/biomolecularengg2013/scientific-programme.php?day=1&sid=106&date=2013-10-07>
56. Acetylcholinesterase from human erythrocytes membrane: a screen for evaluating the activity of some traditional plant extracts. Neeharika Srivastava, Neha Singh and **B. Sharma.** Proceedings of National Academy of Sciences India (NASI)-Allahabad, June 5-6, 2013. Poster presentation
57. Tissue dependent levels of FRAP into aqueous extracts of Indian plants. Neeharika Srivastava and **B. Sharma.** Proceedings of National Academy of Sciences India (NASI)-Allahabad, June 5-6, 2013. Poster presentation
58. Plants- medicinal, toxic or ornamental: A preconceived notion. Neeharika Srivastava and **B. Sharma.** Proceedings of National Academy of Sciences India (NASI)-Allahabad, June 5-6, 2013. Poster presentation
59. Isolation and characterization of  $\alpha$ -galactosidase from some fungal species and their medical implications. Aishwarya S. Chauhan and **B. Sharma.** **Best poster award:** First prize by National Academy of Sciences India (NASI)-Allahabad, June 5-6, 2013
60. On the amino acids of HIV-1 RT involved in stabilization of ternary complex. **B. Sharma.** In: Proceedings of National Seminar on Stress, Development and Adaptation: Biochemical Basis and Biotechnological Approaches at University of Lucknow-Lucknow, India, March 15-16, 2013. **Invited speaker**
61. Attributes of certain new mutations in HIV-1 RT conferring antiviral drug resistance. **B. Sharma.** In: Proceedings of National Symposium on Trends in Biomolecular Interaction and Bioinformatics workshop on Current Advances in Bioinformatics held at AMU-Aligarh, March 13-14, 2013. **Invited speaker and resource person**
62. Molecular mechanisms involved in antiHIV-1 drugs resistance. **B. Sharma.** In: Proceedings of National conference on emerging trends and challenges in basic and translational research in biochemistry, held at Department of Zoology, BHU-Varanasi on Feb 4-5, 2013. **Invited speaker**
63. On the mechanistic aspects of drug resistance in HIV-1. **B. Sharma.** In: The proceedings of Seminar on Science for shaping future of India. Allahabad Chapter of Indian Science Congress Association, Allahabad. November 9-10, 2012, **Invited speaker**

64. Properties of phosphofructokinase from filarial as well as mammalian systems. **B. Sharma**. Workshop on Capacity building and sustainable development as well as Seminar on Parasitology, conducted by Parasitology Laboratory of Department of Zoology, University of Allahabad, November 5-7, 2012. **Invited Lecture**
65. On the varied aspects of xenobiotics: **B. Sharma**. National workshop on the Environment and Health, conducted by National Academy of Sciences India (NASI)-Allahabad on November 07, 2012. **Acted as a Resource Person**
66. On the new molecules and targets against replication of HIV-1 in human cells. **B. Sharma** University of Allahabad, India, 3<sup>rd</sup> International Conference and Exhibition on Analytical & Bioanalytical Techniques, held at Hyderabad International Convention Center, India, on November 22-24, 2012. **Invited talk & Member-Organizing Committee**
67. National Seminar on Emerging Trends in Biological Galaxy, organized by CMP Degree College-Allahabad, India on October 6-7, 2012. **B. Sharma, Chaired a Technical Session.**
68. Phytochemicals as prospective chemotherapeutics against HIV-1. **B. Sharma**. Proceedings of the 32<sup>nd</sup> Annual Meeting of Academy of Environmental Biology and National Symposium of IITR-Lucknow held on September 20-22, 2012, India, **Invited talk, Chaired a Technical Session**
69. Effect of carbofuran and its amelioration in the rat brain. Sunil K Jaiswal and **B. Sharma**. Proceedings of the 32<sup>nd</sup> Annual Meeting of Academy of Environmental Biology and National Symposium of IITR-Lucknow held on September 20-22, 2012, India, selected for **Best Research Paper Medal (BRPM)** presentation.
70. HIV/AIDS in India: Limitations of chemotherapeutics and possible remedies. **B. Sharma**. Proceedings of the National Symposium on Biological Chemistry. March 16-17, 2012, Jiwaji University, Gwalior-MP, India, **Invited talk**
71. Cellular factors and HIV-1 infection. **B. Sharma**. Proceedings of National Symposium on HIV and AIDS: Biology to Besides, March 15-16, 2012, Amity University, Noida, UP, India. **Invited talk**
72. Attributes of host factors in HIV-1 pathogenesis. **B. Sharma**. Proceedings of International conference on 'Genes, Genetics and Genomics: today and tomorrow human concerns'. Organized by Punjab University-Chandigarh on March 3-5, 2012. **Invited talk**
73. Role of oxidative stress in filarial pathogenesis and disease progression. **B. Sharma**. Proceedings of International symposium on 'Advances and applications of molecular biology in clinical research', Organized by CSMMU-Lucknow, India, on February 21-22, 2012. **Invited talk**
74. Biochemical Mechanism of Clinical Resistance to Rilpivirine. Kamalendra Singh, Devendra K. Rai, **B. Sharma**, Eleftherios Michailidis, Emily M. Ryan, Kayla B. Matzek, Maxwell D. Leslie, Ariel N. Hagedorn, Hong-Tao Xu, Mark A. Wainberg, Bruno Marchand, Stefan G. Sarafianos. Proceedings of the National Seminar on International Symposium on HIV Science 2012. Proceedings of the YRG Care, Chennai, India. January 22-24, 2011. **Poster**
75. On the new mutations in HIV-1RT. **B. Sharma**. Proceedings of the National Seminar on International Symposium on HIV Science 2012, YRG Care, Chennai, India. January 22-24, 2011. **Invited Lecture**
76. Carbofuran induces oxidative stress and influences human erythrocytes' homeostasis. Ratnesh K. Sharma and **B. Sharma**. Proceedings of the National Seminar on Reactive Oxygen Species: Roles in Plant and Animal Biology. Lucknow University-Lucknow, India, December 23-24, 2011. **Invited Lecture**
77. On the mechanistic aspects of antiHIV-1 drugs resistance. **B. Sharma**. Proceedings of the National Symposium on Frontiers in Biological Sciences, VBS University-Jaunpur, India, December 4-5, 2011. **Invited Key Note Lecture/Chairperson/Advisory Board member**
78. Getting to know the effector enzyme of RNA interference. **B. Sharma**, Anna Roth, Sophie Weibbach, Andrea Deereberg and Tobias Restle. Proceedings of the National Symposium on Frontiers in Biological Sciences, VBS University-Jaunpur, India, December 4-5, 2011.
79. Novel molecular targets for actions of antiHIV-1 chemotherapeutics. **B. Sharma**. Proceedings of the National Symposium on Biomolecular Drug Targets, Interdisciplinary Biotechnology Unit, AMU-Aligarh, India, March 07-09, 2011. **Invited Key Note Lecture**
80. On the xenobiotics: applications, Metabolism, Toxicity and Management. **B. Sharma** and R.S. Pandey. Proceedings of the National Seminar on Climate Change and its impact on Biological Communities, held at Department of Environmental Sciences, Dr. RML Avadh University, Faizabad; on February 12-13, 2011. **Invited Key Note Lecture as a Resource person.**
81. Impact of *Annona squamosa* leaf extract on lactate dehydrogenase activity of *Musca domestica* L. (Diptera: Muscidae). Nighat Begum, **B. Sharma** and Ravi S Pandey. Proceedings of the National Seminar on Climate Change and its impact on Biological Communities, held at Department of Environmental Sciences, Dr. RML Avadh University, Faizabad; on February 12-13, 2011. **Invited Lecture as a Resource person.**
82. On the nitrogen metabolism in *Channa punctatus* and *Clarias batrachus* exposed to lambda-cyhalothrin, A pyrethroid insecticide. Amit Kumar, **B. Sharma** and Ravi S Pandey. Proceedings of the National Seminar on Climate Change and its impact on Biological Communities, held at Department of



- Environmental Sciences, Dr. RML Avadh University, Faizabad; on February 12-13, 2011. **Invited Lecture as a Resource person.**
83. P-45 The Cynodon Dactylon Extract Help Improve Anticholinesterase Effects and Oxidative Stress Caused by Carbofuran in Rat Brain. **B. Sharma.** Society of Toxicologic Pathology's 28th Annual Symposium Poster Presentations, USA. *Toxicol Pathol January 2010 vol. 38 no. 1 E1-E6.*
  84. Xenobiotics: Applications and Consequences. **B. Sharma.** Proceedings of the UGC-New Delhi sponsored Refreshers course on 'Advances in Botany' at Department of Botany, University of Allahabad on Dec 11, 2010. **Invited Talk** as a Resource person
  85. Current Perspective of HIV/AIDS in India: Challenges and Solutions. **B. Sharma,** Proceedings of 'Impact of environmental challenges on human life' at SSKhanna Girl's Degree College-University of Allahabad, Allahabad on November 20-21, 2010. **Invited talk.** Chaired one technical session.
  86. HIV-1/AIDS in India: A current perspective. **B. Sharma.** Proceedings of 'National Conference of Biotechnology for Human and Social Welfare', October 3-4, 2010, Allahabad, India, **Invited talk**
  87. Some Novel Molecules as Potential Anti-HIV-1 Agents **B. Sharma.** Proceedings of the BIT's 1<sup>st</sup> World Congress of Virus and Infections 2010 (WCVI-2010), Track-4, July 31-August 03, 2010 held at Busan Korea. Acted as **Scientific Advisor Board & Co-organizer** (web site: <http://www.bitlifesciences.com/wcvi2010/Program-wcvi.asp#4>)
  88. Biomarkers and their applications: **B. Sharma.** Proceedings of PepCon BIT Life Sciences 3rd Annual Protein and Peptide Conference (Pepcon-2010), held during March 21-23, 2010 at Beijing, China. Invited speaker and Chair of the Session.
  89. Heavy metal contamination in the Riverine System and Impact on the Biochemical Constituents of Aquatic and Mammalian System. Anju Agrawal and **B. Sharma.** In trends in Biochemistry and Satellite Symposia of Academy of Environmental Biologists, Allahabad University, Allahabad from 23-24 January 2010.
  90. *In vivo* Alteration in Protein Metabolism by Subacute Carbofuran Intoxication in the Freshwater Teleost, *Clarias batrachus*. **B. Sharma.** Proceedings of International Fish Genomics Research Conference. 25th Sep to 27th Sep, 2010 in Shenzhen, China. **Invited talk** (Web site: <http://idl.genomics.cn/event/conference.jsp?conId=14>)
  91. HIV-1 genome structure based antiHIV-1 drug design: A strategy to combat antiHIV-1 drug resistance. **B. Sharma,** Proceedings of National Conference on Bioprospecting: Access for Sustainable Development held during February 19-20, 2010 at MNNIT-Allahabad. Invited Talk
  92. Molecular mechanisms involved in antiHIV-1 drugs resistance. **B. Sharma,** International Conference on Role of Biomolecules in Food Security & Health Improvement held during February 17-20, 2010 at BHU-Varanasi, India. Invited Talk
  93. HIV/AIDS in India: Problems and Remedies. **B. Sharma,** Biotechnology Research Society of India, Allahabad Chapter, held at Feb 13, 2010, CMP Degree College-Allahabad. Special Invited Lecture
  94. The Cynodon dactylon Extract Help Improve Anticholinesterase Effects and Oxidative Stress Caused by Carbofuran in Rat Brain. Devendra K. Rai, Prashant K. Rai, Geeta Watal and **B. Sharma** (2010) *Toxicol. Pathol.* 38, E7-E12. (Abstract No. 45)
  95. Some novel small anti-HIV-1 molecules against HIV-1/AIDS. B.Sharma, AEB symposium on "Symposium on 'Bio-safety and Environmental Impact of Genetically Modified Organisms and Conventional Technologies for Pest Management', 20 - 21 Nov-2009, ICRISAT, Patancheru, India
  96. Pesticide induced apoptosis and its biosafety. Anju Agrawal and **Sharma B.** Academy of Environmental Biology at Hyderabad from 21-22<sup>nd</sup> November 2009.
  97. Oxidative stress induced by heavy metals and amelioration of toxicity by chelation therapy. Anju Agrawal and **B. Sharma.** In International Conference on Environment, pollution, ecology and human health at Tirupatti from 24-26<sup>th</sup> July 2009.
  98. Pesticide induced oxidative stress in mammalian system. Anju Agrawal and **Sharma B.** In International Conference of Advances in Free Radical Research at C.S.M. Medical University, Lucknow from 19-21<sup>st</sup> March 2009.
  99. Role of Lys154 in biochemical functions of HIV-1RT. **B. Sharma** and V.N.Pandey. World Congress on Cellular and Molecular Biology (WCCMB-2009) held at Devi Ahilya Bai University-Indore, India on Nov.02-06, 2009, Invited Lecture
  100. Natural products and their antioxidant potential. A. Agrawal and **B. Sharma.** World Congress on Cellular and Molecular Biology (WCCMB-2009) held at Devi Ahilya Bai University-Indore, India on Nov.02-06, 2009, Invited Lecture
  101. Low temperature induced alterations in metabolism of 5<sup>th</sup> instar larvae of temperature induced alterations in metabolism of 5<sup>th</sup> instar larvae of *Philosamia ricini*. A. Singh and **B. Sharma.** World Congress on Cellular and Molecular Biology (WCCMB-2009) held at Devi Ahilya Bai University-Indore, India on Nov.02-06, 2009, Poster Presentation
  102. Synthesis of CaS:Fe luminescent magnetic dextrose derivatised nanoparticles (LMDN) and their interaction study with *Staphylococcus aureus*. R. Parashar, V. Parashar, B. Sharma, A. C. Pandey.

- World Congress on Cellular and Molecular Biology (WCCMB-2009) held at Devi Ahilya Bai University-Indore, India on Nov.02-06, 2009, Poster Presentation
103. Carbofuran mediated oxidative stress in erythrocytes and its prevention by Vitamin C. Devendra K. Rai, Ratnesh Kumar Sharma, Prashant K. Rai, Geeta Watal and **B. Sharma**. World Congress on Cellular and Molecular Biology (WCCMB-2009) held at Devi Ahilya Bai University-Indore, India on Nov.02-06, 2009, Oral Presentation
  104. ZnO nanoparticles and their interaction study with Chick pea (*Cicer arietinum*) sprouts extract. Sharda S. Sanjay, V. Parashar, R. Parashar, V.K.Shukla, A.C. Pandey and **B. Sharma**. World Congress on Cellular and Molecular Biology (WCCMB-2009) held at Devi Ahilya Bai University-Indore, India on Nov.02-06, 2009, Oral Presentation
  105. Onion (*Allium cepa*) juice mediated synthesis of luminescent CdS nanoparticles. V. Parashar, R. Parashar, V.K.Shukla, A.C. Pandey and **B. Sharma**. World Congress on Cellular and Molecular Biology (WCCMB-2009) held at Devi Ahilya Bai University-Indore, India on Nov.02-06, 2009, Oral Presentation
  106. Fabrication and characterization of silver/poly (vinyl alcohol) nanocomposite for and their antimicrobial activity. S. Pandey, V.K.Shukla, V. Parashar, A.C. Pandey and **B. Sharma**. World Congress on Cellular and Molecular Biology (WCCMB-2009) held at Devi Ahilya Bai University-Indore, India on Nov.02-06, 2009, Oral Presentation
  107. Intellectual property rights and intellectual property protection for the advancement of Biotechnology. **B. Sharma**. Indo-US Congress-cum-Workshop, Amity University, Noida, India. October 05-07, 2009, Invited Talk.
  108. HIV/AIDS in India: Challenges and solutions. Symposium on Impact of environmental pollution on climatic change and biodiversity'. **B. Sharma**, DD University, Gorakhpur, October 10, 2009, Plenary Lecture.
  109. *C. dactylon* mediated changes in brain oxidative status of rats treated with single sub-acute dose of carbofuran. (Ref no. W9R74B). Devendra K Rai, PK Rai, Geeta Watal and **B. Sharma**. 7<sup>th</sup> Congress of Toxicology in Developing Countries (CTDC7), September 6-10, 2009 held at Johannesburg, South Africa. **Travel Award** (US\$1500) received from IUTOX-South Africa.
  110. New molecules against HIV-1 to arrest retroviral progression. **B. Sharma**. Paper no.442, Poster Ref: 666, Australasian HIV/AIDS Conference 2009 and 21<sup>st</sup> Annual Conference for the Australasian Society for HIV Medicine, September 9-11, 2009 at Brisbane Convention and Exhibition Centre, Brisbane, Queensland, Australia. [www.hivaidconference.com.au](http://www.hivaidconference.com.au)
  111. Small molecules as potential antiHIV-1 regimen. **B. Sharma**. HIV Science 2009, YRG Care-Chennai, August 28-29, 2009, Invited Lecture.
  112. Strategies to combat drug resistance in HIV-1. **B. Sharma**. International Conference on HIV/AIDS, June 28-July 01, 2009 at Barra Windsor Hotel, Rio-de-Janeiro, Brazil, presented as an Invited Lecture
  113. Anticholinesterase Toxicity And Oxidative Stress induced by Pyrethroides in *Channa Punctatus*. Amit Kumar, Ravi S Pandey, Ratnesh K Sharma, & **B. Sharma**. Proceedings of AFRR2009 and 8<sup>th</sup> SFRR-India meeting, poster no. P82, March 19-21, 2009 at KG Medical University, Lucknow, India.
  114. The *C. dactylon* extract may ameliorate carbofuran induced oxidative damage to rat brain. Devendra K Rai, Prashant K Rai, Ratnesh K Sharma, Geeta Watal & **Sharma B**. Proc. AFRR2009 and 8<sup>th</sup> SFRR-India meeting, poster no. P83, March 19-21, 2009 at KG Medical University, Lucknow, India.
  115. Carbofuran induced oxidative stress in mammalian brain. **Sharma B**. International conference on Advances in Free Radical Research: Natural Products, Antioxidants and Radioprotectors (AFRR – 2009), March 19-21, 2009 at KG Medical University, Lucknow, India. Invited Lecture.
  116. Exploring new targets for antiHIV-1 drug design and combating HIV-1 replication. **Sharma B**. BIT Life Sciences 2<sup>nd</sup> Annual World Summit of Antivirals: Meeting the Health Challenges in the Globalisation, July 18-20, 2009, Beijing International Convention Center, Beijing, China, **Invited Speaker**, Track 4, Antivirals on HIV.
  117. Application of LIBS in Detection of Antioxidant Elements: A New Strategy. Rai P.K., Rai D.K., Rai NK, **Sharma, B.**, Watal G. and Rai A.K. Proceedings of the 8th DAE-BRNS National Laser Symposium, Laser Science and Technology Centre, (LASTEC) Delhi, January 7-10, 2009
  118. Recent advances in Computer Aided Drug Design with special reference to antiHIV-1 chemotherapeutics. **Sharma B**. Proceedings of International Symposium on “Innovative research on Anti-AIDS drug discovery. August 25, 2008, Kasetsart University, Bangkok, Thailand. **Guest Speaker**
  119. Peptide nucleic acids (PNA) as potential antiHIV-1 regimen: **Sharma B**. Invited talk Proceedings of the 28<sup>th</sup> Annual Symposium of Academy of Environmental Biology, India at Jamia Hamdard University-New Delhi, India, October 2008.
  120. Screening of glycemic attributes of *Trichosanthes dioicoia* leaves *in vivo*. Rai D.K., Rai P.K., **Sharma B.** and Watal G. Proceedings of Eighth Annual Diabetes Technology Meeting, Bethesda, MD, USA Nov. 12-15, 2008

121. Carbofuran induced alterations in the blood serum profile of Wistar rats. Rai, DK, Rai, P.K., Watal, G. and **Sharma, B.**, Proceedings of the International Forum for Public Health, at Shanghai (China), December 11-14, 2007.
122. Synergistic effects of two carbamates; carbofuran and carbaryl on the status of oxidative stress in rat brain. Rai, DK, Rai, P.K., Watal, G. and **Sharma, B.**, Proceedings of the International Forum for Public Health, at Shanghai (China), December 11-14, 2007.
123. Concerted effects of carbofuran and cartap on the oxidative indices in rat brain. Rai, DK, Rai, P.K., Watal, G. and **Sharma, B.**, Proceedings of the International Forum for Public Health, at Shanghai (China), December 11-14, 2007.
124. Human immunodeficiency virus type 1 reverse transcriptase (HIV-1RT) inserts ribonucleotides and extends the primer in normal template. **Sharma, B.** National symposia on Current Advances in Molecular Biochemistry: Applications in Health, Environmental Sciences and Agriculture. University of Lucknow, India, December 28-30, 2007, pp.62
125. Lindane induced biochemical and behavioural alterations into *Channa punctatus*, a fresh water snake head fish. Gupta, A., Rai, DK, Pandey, R.S. and **Sharma, B.** National symposia on Current Advances in Molecular Biochemistry: Applications in Health, Environmental Sciences and Agriculture. University of Lucknow, India, December 28-30, 2007, pp.62
126. Cyhalothrin induced alterations in the activity of acetylcholinesterase in the fresh water fish, *Channa punctatus*. Kumar, Amit, **Sharma, B.** and Pandey Ravi S. International Symposium on Advances in Neurosciences and Silver Jubilee Conference of Indian Academy of Neurosciences. BHU-Varanasi, India, Nov.22-25, 2007, pp.
127. Amelioration of carbofuran induced oxidative stress by vit C in rat erythrocytes. Rai, DK, Rai, P.K., Rizvi, S.I., Watal G. and **Sharma, B.** 27<sup>th</sup> annual session of the academy of the Environmental biology and National Symposium on Biomarkers of Environmental Problems, CCS University-Meerut, India, October 26-28, 2007, pp.50
128. Occurrence of some heavy metals in the riverine sediments and fish from river Ganges at Allahabad. Gupta, A., Rai D.K., Pandey, Ravi S., Pathak V. and **Sharma, B.** 27<sup>th</sup> annual session of the academy of the Environmental biology and National Symposium on Biomarkers of Environmental Problems, CCS University-Meerut, India. October 26-28, 2007, pp.25
129. Concerted effect of carbofuran and cartap on the oxidative indices in rat brain. **Sharma, B.**, Rai Devendra K, Rai, Prashant K. and G. Watal. 17<sup>th</sup> Annual Conference of the International Society of Exposure Analysis, held at NC-USA, October 14-18, 2007, Oral presentation.
130. Human Immunodeficiency Virus Type-1 (HIV-1RT) exhibits RNA polymerase activity. **Sharma, B.**, Proceedings of the 4<sup>th</sup> IAS Conference on HIV Pathogenesis, Treatment and Prevention, held at Sydney, Australia, July 22-25, 2007, Poster Presentation
131. Carbofuran induced oxidative stress in mammalian brain. Rai, D. K and **Sharma, B.**, Proceedings of International Conference on Free Radicals in Biosystems, held at Kuwait University, Kuwait, March 18-21, 2007. **Invited Lecture**
132. Carbofuran induced alterations in the levels of certain biomolecules in mammalian brain. Rai DK and **Sharma, B.**, Proceedings of the International Conference on Toxicology, Toxicogenomics and Occupational Health and 26<sup>th</sup> Annual Meeting of Society of Toxicologists-India, held at Jiwaji University, Gwalior, October 9-11, 2006. **Invited Lecture**
133. Carbofuran induced changes in energy metabolism in *Clarias batrachus*, a fresh water fish. **Sharma, B.**, Proceedings of the International Conference on Toxicology, Toxicogenomics and Occupational Health and 26<sup>th</sup> Annual Meeting of Society of Toxicologists-India, held at Jiwaji University, Gwalior, October 9-11, 2006. **Invited Lecture**
134. Cypermethrin induced biochemical alterations in *Channa punctatus*. Kumar A., **Sharma, B.** and Pandey Ravi S., Proceedings of the International Conference on Toxicology, Toxicogenomics and Occupational Health and 26<sup>th</sup> Annual Meeting of Society of Toxicologists-India, held at Jiwaji University, Gwalior, October 9-11, 2006.
135. Acetylcholinesterase activity-A device for biomonitoring industrial effluent toxicity in *Channa punctatus*. Yadav, A., Gopal, A., **Sharma, B.** and Pandey, R.S., Proceedings of the International Conference on Toxicology, Toxicogenomics and Occupational Health and 26<sup>th</sup> Annual Meeting of Society of Toxicologists-India, held at Jiwaji University, Gwalior, October 9-11, 2006.
136. Industrial effluents induced biochemical changes in the selected tissues of fresh water fish, *Channa striatus*. Yadav, A., Gopesh, A., **Sharma, B.** and Pandey, R.S., Proceedings of 76<sup>th</sup> Annual Session of National Academy of Sciences, held at TIFR-Mumbai, October 6-8, 2006.
137. Mutation near the catalytic pocket of HIV-1 offers antiHIV-1 drug resistance. **Sharma, B.**, Proceedings of the "National Conference on Research in HIV and AIDS", held at Ashoka Hotel, Chanakyapuri, New Delhi, April 21-23, 2006. **Invited Lecture**
138. Strategies to Encounter Drug Resistance in HIV-1: an Impediment in AIDS Therapy. **Sharma, B.**, Invited Lecture, Proceedings of "Recent Trends in Biochemistry", Punjab University, Punjab, February 9-10, 2006. **Invited Lecture**

139. On the role of  $\beta$ 8- $\alpha$ E loop of human immunodeficiency virus type-1 (HIV-1 RT) in the replication of HIV-1. **Sharma, B.**, Proceedings of 3<sup>rd</sup> International AIDS Conference on Pathogenesis and Treatment of AIDS, Rio de Janeiro, Brazil, July 24-27, 2005.
140. A histological account of organocarbamate pesticide stress in fresh water fish, *Channa punctatus*. Ram, M.D., Pal, H.M., Gopal, K. and **Sharma, B.**, Proceedings of International conference on Emerging Frontiers in Physical Sciences, Allahabad, India, December 21-23, 2004.
141. On the structure-function relationship of HIV-1 RT. **Sharma, B.**, Proceedings of International conference on Emerging Frontiers in Physical Sciences, Allahabad, India, December 21-23, 2004.
142. Molecular mechanisms of drug resistance in HIV-1. **Sharma, B.**, Proceedings of Academy of Environmental Biology, Mumbai-India, November 22-24, 2004.
143. The organophosphates also affect the energy metabolism in aquatic teleost, *Clarias batrachus*. **Sharma, B.** and Gupta, M.D., Proceedings of Academy of Environmental Biology, Mumbai-India, November 22-24, 2004.
144. Sub-acute toxicity of carbofuran on acetylcholinesterase activity in the freshwater catfish, *Clarias batrachus*. Singh, R.K. and **Sharma, B.**, Proceedings of the 3<sup>rd</sup> International Academic Conference on Environmental and Occupational Medicine at Shanghai (China), November 9-12, 2004.
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149. On the toxicity of carbofuran in non-target aquatic teleost, *C. batrachus*. **Sharma, B.**, Proceedings of 2<sup>nd</sup> Congress for Toxicology in the Developing Countries, Ankara, Turkey, Nov. 7-13, 1999.
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154. *In vitro* effect of carbofuran on the activities of liver lactate dehydrogenase and acetylcholinesterase from the brain of *Clarias batrachus*, Singh, R.K. and **Sharma, B.** Proceedings of 19<sup>th</sup> Annual Meeting of Academy of Environmental Biology, Bareilly, Nov. 14-16, 1998.
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167. Pesticides application and environment. **Sharma. B.** Proc. National Seminar on Impact of Pesticides on the Environment and Human Health, North Zone Chapter, June, 10-11, ITRC-Lucknow, 1996 (**Invited Lecture**).
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**POPULAR ARTICLES AND NEWS (10)**

- 1- Water pollution, its prediction and control, **B. Sharma**, Swasth Hind, **XXXV**, (6), 149-150, **1991**
2. Food adulteration and human health, **B. Sharma**, Popular Science (Ministry of Sci. and Tech., J&K, **2**,(1) 25-27, **1993**
3. On the toxicity of mustard oil adulterated with that of *Argemone maxicana*, **B. Sharma** & Raj Kishore, Vagyanik (BARC-Bombay) **1998**
4. Nirvansh gene takniq: anuvanshiki samrajyawad ka mandarata naya khatarata, **B. Sharma** & Raj Kishore, Vaigyanik (BARC-Bombay), **31**, (1/2), 6-70, **1999**
5. On the terminator genes, **B. Sharma**, Everyman's Science, **2000**
6. Innovations in post literacy programme (PLP) through distance education: a case study of nyay panchayat-Madhopur, Block-Masaudha, District-Faizabad in U.P., India, P.P.Singh and **B. Sharma**. In: Proceedings of the PCF-3 Conference held at Dunedin, New Zealand, during July 4-8, 2004.
7. HIV/AIDS in India: Challenges and solutions: **B. Sharma**, Lecture presented at National Academy of Sciences, India on June 15, 2008. Website: <http://nasi.nic.in/DNA%20Club.htm>
8. 23<sup>rd</sup> April, Stem-cell transplant wipes out HIV. **B.Sharma**, Comments on stem cells research in curing HIV/AIDS (paper published by Hütter, G. *et al. N. Engl. J. Med.* **360**, 692–698, 2009). posted in Nature News, <http://www.nature.com/news/2009/090211/full/news.2009.93.html>
9. 3<sup>rd</sup> May, Nano-delivery could help tackle HIV: **B.Sharma**, Comments on Tiny plastic particles could smuggle by therapies into cells by Nicola Jones. Published online 3 May 2009 Nature:doi:10.1038/news.2009.435; <http://www.nature.com/news/2009/090503/full/news.2009.435.html>
10. Fish lovers: Be ware of Pesticides. **B. Sharma** and collaborators, in TNN, Oct.14. <http://timesofindia.indiatimes.com/city/allahabad/Fish-lovers-beware-of-pesticides/articleshow/5124678.cms>

**HEV genome sequences submitted on ncbi GenBank: 07**

| Gene Code | Details  | Website   |
|-----------|--|---|
| EU009119  | Hepatitis E virus isolate KOL-16 RNA polymerase gene, partial cds<br><a href="http://www.ncbi.nlm.nih.gov/nuccore/151547448">gi 151547448 gb EU009119.1 [151547448]</a>      | <a href="http://www.ncbi.nlm.nih.gov/nuccore/151547448">http://www.ncbi.nlm.nih.gov/nuccore/151547448</a> |
| EU009120  | Hepatitis E virus isolate LKO-SEW-179 RNA polymerase gene, partial cds<br><a href="http://www.ncbi.nlm.nih.gov/nuccore/151547450">gi 151547450 gb EU009120.1 [151547450]</a> | <a href="http://www.ncbi.nlm.nih.gov/nuccore/151547450">http://www.ncbi.nlm.nih.gov/nuccore/151547450</a> |
| EU009121  | Hepatitis E virus isolate LKO-SEW-160 RNA polymerase gene, partial cds<br><a href="http://www.ncbi.nlm.nih.gov/nuccore/151547452">gi 151547452 gb EU009121.1 [151547452]</a> | <a href="http://www.ncbi.nlm.nih.gov/nuccore/151547452">http://www.ncbi.nlm.nih.gov/nuccore/151547452</a> |
| EU009122  | Hepatitis E virus isolate LKO-SEW-143 RNA polymerase gene, partial cds<br><a href="http://www.ncbi.nlm.nih.gov/nuccore/151547454">gi 151547454 gb EU009122.1 [151547454]</a> | <a href="http://www.ncbi.nlm.nih.gov/nuccore/151547454">http://www.ncbi.nlm.nih.gov/nuccore/151547454</a> |
| EU009123  | Hepatitis E virus isolate LKO-SEW-070 RNA polymerase gene, partial cds<br><a href="http://www.ncbi.nlm.nih.gov/nuccore/151547456">gi 151547456 gb EU009123.1 [151547456]</a> | <a href="http://www.ncbi.nlm.nih.gov/nuccore/151547456">http://www.ncbi.nlm.nih.gov/nuccore/151547456</a> |
| EU009124  | Hepatitis E virus isolate LKO-SEW-180 RNA polymerase gene, partial cds<br><a href="http://www.ncbi.nlm.nih.gov/nuccore/151547458">gi 151547458 gb EU009124.1 [151547458]</a> | <a href="http://www.ncbi.nlm.nih.gov/nuccore/151547458">http://www.ncbi.nlm.nih.gov/nuccore/151547458</a> |
| EU009125  | Hepatitis E virus isolate LKO-SEW-177 RNA polymerase gene, partial cds<br><a href="http://www.ncbi.nlm.nih.gov/nuccore/151547460">gi 151547460 gb EU009125.1 [151547460]</a> | <a href="http://www.ncbi.nlm.nih.gov/nuccore/151547460">http://www.ncbi.nlm.nih.gov/nuccore/151547460</a> |

| Citation indices | All         | Since 2013  |
|------------------|-------------|-------------|
| <b>Citations</b> | <b>3358</b> | <b>2224</b> |
| <b>h-index</b>   | <b>30</b>   | <b>22</b>   |
| <b>i10-index</b> | <b>77</b>   | <b>57</b>   |

Web site: <https://scholar.google.co.in/citations?user=4oGXy3UAAAAJ&hl=en>