

**ON CD ALONGWITH YOUR PERIODIC INCREMENT
CERTIFICATE(PIC))**

e	Professor	First Name	Virendra K.	Last Name	Bhasin	Photograph
Designation	Professor					
Department	Zoology					
Address (Campus)	Department of Zoology, University of Delhi, Delhi 110007.					
(Residence)	AC 65D, Shalimar Bagh, Delhi 110088.					
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Education						
Subject	Institution	Year	Details			
Ph. D.	Zoology Department, Delhi University, Delhi 110007	1973	Thesis topic: Studies on the chemosterilization of yellow fever mosquito, <i>Aedes aegypti</i> (L) by phosphorus amides.			
M.Sc.	Zoology Department, Kurukshetra University	1970	Subjects: Zoology with cell Biology as special paper			
B. Sc.	Hans Raj College, Delhi University	1968	Subjects: Chemistry, Botany and Zoology			
Career Profile						
Organisation / Institution	Designation	Duration	Role			
Delhi University Press	Officer on Special Duty (OSD),	2009-10	Administration			
Department of Zoology, University of Delhi	Co-Coordinator UGC-CAS (Center of Advanced Studies) programme	2005-07	Coordinate special assistance programme for teaching and research in Department, UGC funded project.			
University of Delhi	Chairman, Delhi University Sports Council.	2008-10	Facilitate the Director Physical Education in promotion of sports activities in the University.			
University of Delhi	Dean, Faculty of Science	July 2007 – Nov 2007	Administration, research and teaching			
Zoology Department, Delhi University	Head of the Zoology Department	Nov 2004- Nov 2007	Administration, research and teaching			
Zoology Department, Delhi University	Professor	Since Jan 1995	Research, teaching and participate in corporate life of the university			
Zoology Department, Delhi University	Reader	1985-1995	Teaching and research			
NMEP, ICMR Project	Sr. Res. Officer	1975-1976 (on leave for Delhi University)	Field research on malaria in a tribal area of Keonjhar District of Orissa.			
Sri Venkateshvera College, Delhi University	Lecturer	July 1974 – Jan 1985	Teaching and participate in various work assigned by the college.			
Deshbandhu College, Delhi University	Lecturer	August 1973-July 1974	Teaching			
Research Interests / Specialization						
Cognitive Science, and Biology of Parasitism: Malaria Biology with interest in Molecular Biology of the parasite and Immune-response of the host organisms. We work on human malaria parasites using continuous in vitro cultures of <i>Plasmodium falciparum</i> and in vivo rodent malaria models. Currently looking for novel lead artemisinin-based combinations by repurposing the FDA approved drugs and newly synthesized biological active motifs which augement antiplasmodial activity						

of artemisinin. Also evaluating the effect of some natural phytochemicals against parasites and cells of immune system.

Teaching Experience (Subjects/Courses Taught)

Over three decades of teaching experience. Currently teaching Cell Biology, Principles of gene Manipulation – concepts and methods, and Immunology to M.Sc. (Zoology) classes of Delhi University. Supervising Ph. D. students for nearly two decades. At present have five students registered for Ph. D.

Honors & Awards

Post doctoral research associate (1982 to 1984) in Professor William Trager and G. Cross' laboratory at the Rockefeller University, **New York, NY, USA.**

Awarded fellowship to attend an International Course on Biology of Parasitism in Woods Hole at MBL, Mass. USA in 1983.

Distinguished Visiting Scientist (May, 2001 to April 2002) to Chagas Disease Multidisciplinary Research Laboratory, Faculty of Medicine, University of Brasilia, **Brazil.**

Visiting Scientist from May 1, 2002 to July 31, 2002 to the Laboratoire de Biologie Parasitaire, Museum National d'Histoire Naturelle, **Paris, France.**

Awarded National Scholarship for study abroad by the Government of India.

WHO funding for post doctoral work at the Rockefeller University.

Recipient of CSIR junior research fellowship.

M.Sc. FIRST CLASS FIRST

Publications (LAST FIVE YEARS)

Books / Monographs

<u>Year of Publication</u>	<u>Title</u>	<u>Publisher</u>	<u>Co-Author</u>

In Indexed/ Peer Reviewed Journals

<u>Year of Publication</u>	<u>Title</u>	<u>Journal</u>	<u>Co-Author</u>
2012	Antimalarial Activity of Newly Synthesized Chalcone Derivatives In Vitro.	Chem Biol Drug Des.	Yadav N, Dixit SK, Bhattacharya A, Mishra LC, Sharma M, Awasthi SK.
2012	Synthesis and in vitro antiplasmodial activities of fluoroquinolone analogs.	Eur J Med Chem.	Dixit SK, Mishra N, Sharma M, Singh S, Agarwal A, Awasthi SK.

2012	Mutant pfcr1 "SVMNT" haplotype and wild type pfmdr1 "N86" are endemic in Plasmodium vivax dominated areas of India under high chloroquine exposure.	Malar J.	Mallick PK, Joshi H, Valecha N, Sharma SK, Eapen A, Bhatt RM, Srivastava HC, Sutton PL, Dash AP
2010	HIV protease inhibitors, indinavir or nelfinavir, augment antimalarial action of artemisinin in vitro	Am J Trop Med Hyg	<u>Mishra, L.C.,</u> <u>Bhattacharya, A.,</u> <u>Sharma, M.,</u>
2009	Potent antimalarial activity of newly synthesized substituted chalcone analogs in vitro	Medicinal Chemistry Research	<u>Awasthi, S.K.,</u> <u>Mishra, N., Kumar, B.,</u> <u>Sharma, M.,</u> <u>Bhattacharya, A.,</u> <u>Mishra, L.C.</u>
2009	Phytochemical licochalcone A enhances antimalarial activity of artemisinin in vitro	Acta Tropica	<u>Mishra, L.C.,</u> <u>Bhattacharya, A.,</u>
2009	Antimalarial pharmacodynamics of chalcone derivatives in combination with artemisinin against Plasmodium falciparum in vitro	European Journal of Medicinal Chemistry	<u>Bhattacharya, A.,</u> <u>Mishra, L.C.,</u> <u>Sharma, M.,</u> <u>Awasthi, S.K.</u>
2008	Problems with oral polio vaccine	Nature Medicine	
2008	In vitro activity of artemisinin in combination with chlorizazole or heat-treated amphotericin B against Plasmodium falciparum	Am J Trop Med Hyg	Bhattacharya A., Mishra L.
2008	Nucleotide sequence of plasmid pA387 of Amycolatopsis benzoatilytica and construction of a conjugative shuttle vector	J. of Basic Microbiology	Malhotra S., Majumdar S., Komar M., Lal R., Gartemann K-H.
2008	Synthesis of novel substituted 1, diaryl propenone derivatives and their antimalarial activity	Euro J Med Chem	Mishra N., Arora P., Mishra L., Bhattacharya A., Awasthi S. K.
2007	Antiplasmodial interactions between artemisinin and triclosan or ketoconazole combinations against the blood stages of Plasmodium falciparum in vitro	Am J Trop Med Hyg	Bhattacharya A., Mishra L.

Conference Presentations

- Participated in as a member in the subject expert committee (Life Sciences) of Women Scientist Scheme (WOS-A), meeting was held at Guwahati on July 28-29, 2011.
- Invited to speak in the Sensitization program on Women Scientist scheme of DST at JNTU, Kakinada campus on 9-10 February 2010
- Participated in as a member in the subject expert committee (Life Sciences) of Women Scientist Scheme (WOS-A), meeting was held at Pondicherry on November 13-15, 2009.
- Member of the subject expert committee (Life Sciences) of Women Scientist Scheme (WOS-A), meeting held at Coimbatore, Avinashilingam University for Women, on 4-5 September, 2009.
- Member of UGC- SAP committee to review progress of Zoology Department, Bangalore University, Bangalore. Meeting held on August 17-18, 2009 at Zoology Department, Bangalore University, Bangalore

- Invited to Kakatiya University, Warangal, AP, for a special lecture for the benefit of Prospective Women Scientists, 11th August, 2009.
- Member of DST Expert Committee to evaluate projects submitted by S.N.D.T. University, Mumbai at Santacruz (West), Mumbai on 4th August, 2009.
- Inaugural Address as a Special Guest - in a Refresher Course on Physical Education, UGC Sponsored – at ILLU University of Delhi on July 1, 2009.
- Subject Expert Committee on Life Science – Women Scientist Scheme at Science College, Nagpur June 4-6, 2009.

Chaired a session in World Biodiversity Congress March 10-14, 2009, Chiang Mai, Thailand. Organized by: Century Foundation and Co-sponsored by Bangalore University.

International conference on marine organisms and their biomedical potentials: Expectations and Realizations. Held at Universiti Malaysia Terengganu (UMT), Malaysia on 18-20th May, 2008. Presented a paper entitled “Antimalarial drugs from natural sources”

Chaired an Oral Presentation Session in World Biodiversity Congress Organized by: Century Foundation, Bangalore, India and Co-sponsored by Bangalore University held on March 10-14, 2009, at The Empress Hotel, Chiang Mai, Thailand.

Invited to and participated in a symposium on Capacity Building for Malaria Vaccine Development, June 21, 2008 at Pune, hosted by Genovva Biopharmaceuticals.

International conference on marine organisms and their biomedical potentials: expectations and realizations. 18-20 May 2008. Universiti Malaysia Terengganu, MALAYSIA “Antimalarial drugs from natural sources”.

SINGAPORE malaria network meeting 2008, Jan 31 – Feb1. Current topics in malaria. “Menace of antimalarial drug resistance, age old malarial therapies and ACT now”

Invited lecture in an International Workshop on Molecular Epidemiology & Immunology of Malaria and other Vector Borne Diseases, held at RMRCT, Jabalpur (MP), India, from October 16-19, 2007 to speak on ‘Molecular mechanisms for drug resistance in malaria’.

Invited Lecture in a Workshop on Sensitization of DST Women Scientists entitled “Exciting research areas in Zoology and Biotechnology on February 10, 2007 at Jawaharlal Nehru Technological University, Hyderabad.

Invited Lecture: “Synergistic antiplasmodial combinations in vitro”. 18th National Congress of Parasitology on Advances in Parasitology. Indian Institute of Chemical Biology, Kolkata. November 22-24, 2007.

Co-Chaired the Plenary session in a National Symposium on Tribal Health (18-20, October 2006) held at RMRCT, Jabalpur 482 003 (MP) and presented a paper.

Drugs augmenting artemisinin’s anti-falciparum efficacy in vitro. Special invited speaker to the International Conference on Malaria on the theme ‘Laveran to Genomics’ held at New Delhi from 4-6 November 2005.

Invited to a brain storming meeting sponsored by CSIR under the auspices of *New Millennium Indian Technology Leadership Initiative* held at Department of Biochemistry, IIS, Bangalore on October 1, 2002 on “Characterization and development of novel drug targets for *Plasmodium* infection”

Total Publication Profile [optional](#)

Books

In Indexed/ Peer Reviewed Journals

Articles

Opinionated publications: in journals with high impact factor:

1. **Bhasin V. K.** (2008) Problems with oral polio vaccine. **Nature Medicine** 14, 9.
2. **Bhasin V. K.** and Nair L. (2003). Act now – with caution - for malaria treatments. **Lancet Infectious Diseases**, 3 (11) 609.
3. **Bhasin V. K.** (2002). *Plasmodium falciparum* genetic diversity and ancestry. **Lancet Infectious Diseases**, 2 (11) 657.
4. **Bhasin V. K.** (2001). Could a website teach communication skills. **Nature**, 412, 855.
5. **Bhasin V. K.** (2000). Proteomics could be key in battle against malaria. **Nature**, 403, 698.
6. **Bhasin V. K.** and Lathika N. (1995). Polio vaccines. **Nature**, 376, 458.

Conference Presentations

Public Service / University Service / Consulting Activity

Advisory **committee member** of UGC-SAP (DRS-I) Programme of Department of Zoology, University of Kashmir, Srinagar, Department of Zoology Bangalore University

Advisory **committee member** of UGC-SAP (DRS-I) Programme of Department of Zoology, Gurukula Kangri university, Haridwar, 14 March, 2008

Advisory **committee member** of UGC-SAP (DRS-I) Programme of Department of Zoology, University of Lucknow, Lucknow 24 February, 2008.

Invited to “**Peer review meeting on XI five year plan programme of three life sciences labs**” of DRDO on 22 February 2008 at DRDO Bhawan, New Delhi.

Member of the Subject Expert Committee (SEC) – Life Science for the Women Scientist Scheme of DST (2005-2007).

Member of the Subject Monitoring Committee (SEC) – Life Science for the Women Scientist Scheme of DST (Department of Science and Technology, Government of India) (2007-2009).

Invited speaker to sensitization meetings of the Women Scientists on behalf of DST, Govt. of India at Botanical survey of India to Port Blair (A&N Islands) on February 13-15, 2008, Visakapatnam during Science congress in Jan 2008, Srinagar, Imphal and Gorakhpur during 2007.

Member of various selection/award boards of National Institute of Malaria Research, DRDO, UGC, Delhi University, and Staff Selection Commission (Northern Region) Government of India.

Member of Institutional Animal Ethics Committee of AIIMS, NIMR.

Chairperson of a sub-committee to prepare technical specifications as well as assess individual requirements of Science laboratories in the colleges of the university in subject area of Biological Sciences

External Subject-Expert member to review a DRDE (Defence Res. And Dev. Establishment, Gwalior) project entitled ‘Studies on vector ecology, transmission and their control’ held on May 31, 2006 at Gwalior

Member of the sub-committee, constituted by the Advisor **Examination Reforms**, on review of *promotion rules and ensuring uniformity in number of papers* Feb 2006 at University of Delhi

University representative in the governing body of Deen Dayal Upadhyaya College (2006), and Amar Jyoti Institute of Physiotherapy (2006). Earlier, in Lady Irwin College (two years), Shyam Lal College (one year). Now at Hans Raj College and Dyal Singh College (Morning and Evening)

National Talent Search Scheme (NCERT) - member of interview board for years 2004, 2005, , 2006, 2008, Delhi board

Member of the **Consultative Committee (Teachers)** of Delhi University

Staff Advisor - Delhi University Researcher’s Association (DURA)

Professional Societies Memberships

Life member of Indian Society of Parasitology
Projects (Major Grants / Collaborations)
Successfully completed projects funded by WHO-TDR, DBT or DRDO.
Other Details
Member of a delegation from Delhi University sponsored by World Bank to Kabul University for strengthening higher education in Afghanistan from October 7 to 14, 2006.

(Signature of Faculty Member)

(Signature & Stamp
of Head of the
Department)