CV-summary: **Prof. Ravi Bhushan**, PhD, CChem FRSC, FNASc

Department of Chemistry, Indian Institute of Technology Roorkee, Roorkee – 247 667 India

Ph: 01332-285795 (Office); 01332-271162, 285089 (R)

Fax: 01332-286202, 273560, e-mail : [rbushfcy@iitr.ernet.in](mailto:rbushfcy@iitr.ernet.in); [rbushfcy54@gmail.com](mailto:rbushfcy54@gmail.com)

Ravi Bhushan has a throughout first class academic record. He did his PhD from University of Jodhpur, joined the teaching faculty of the then University of Roorkee (now **Indian Institute of Technology Roorkee**) in 1979 and became full professor in the year 1996. He received the Outstanding Teacher Award of the year 2007, and was elected as Fellow National Academy of Sciences India, (FNASc) in 2001.

His major area of research interest is enantiomeric resolution of compounds of pharmaceutical importance using chromatography. He developed (in 1987) a ***de novo*** approach for separation of enantiomers which is now a recognized/ established approach in literature. The work was recognized as he received Khosla Research Silver Medal plus Cash Prize (in 1987) and was awarded the prestigious Alexander von Humboldt fellowship by the AvH-Foundation, Bonn, Germany in the year 1988.

He also published results on the establishment of primary structures of proteins of *Peanut*, *Brassica*, and *Soybean*. He received European Economic Community Fellowship in 1992 and worked at University of Bristol, UK, on *Rye* protein.

He has guided 26 doctoral and 45 Master’s theses, published more than 200 research papers in the international refereed journals including invited chapters in books and encyclopedia published by Academic Press, Kluwer Academic Pubs, CRC Press, Taylor & Francis, and Elsevier. Besides, he authored two books, entitled ***Stereoisomerism***, in 1991, and (ii) ***Amino Acids: Chromatographic Separation and Enantioresolution*** in 2010 from HNB Publishing, New York.

Prof Bhushan is the **member of the editorial board** of (i) *Biomedical Chromatography*, published by John Wiley & Sons, UK, (ii) *Bioanalysis* (published by Future Science Group, UK), and (iii) *Acta Chromatographica* (by Akademiai Kiado, Hungary). He edited four Special Issues of *Biomedical Chromatography* on **Chiral Resolutions** as Guest Editor in Sep 1997, May 2001, July 2005, and Jan 2014.

Professor Bhushan is a Fellow/Life member of various academic bodies; these include Chartered Chemist and Fellow Royal Society of Chemistry, London (CChem FRSC since 1993), Fellow Indian Chemical Society, Life Member Indian Science Congress, Life Member Indian Society of Desert Technology, Fellow, Indian Society for Biochem. & Biotech., and Life Member, Indian Council of Chemists.

He was actively involved (as Additional Coordinator, from Feb 1984 - Jun1988) in the establishment of Audio Visual Centre (AVRC) at UOR. Besides, he has written and produced more than half a dozen Educational TV films which have been telecast on national network under UGC’s countrywide class room. In 2010, he prepared Educational Technology Packages, under MHRD Scheme of National Mission on Education through Information Communication Technology, and (ii) Video Program for UGC-CEC.

He also served as:

* Associate Dean, Research & Industrial Liaison, 02 Mar 1993 to 30 Apr 1997
* Dy. Chief Staff Advisor, Hobbies Club, Oct. 1990 to June 1993
* Associate Coordinator, QIP-Centre, April 1989 to May 2006
* Member Syndicate of the University of Roorkee, Oct 1999 till conversion of UOR into IITR

He was actively involved as Member PG Education Review Committee in the preparation of a concept paper on post-graduate and research programmes of the University of Roorkee through which ten point grade system of evaluation and credit system of courses was introduced and implemented from July 1999.

As a faculty member at IITRoorkee, he founded ***Intellectual Property Rights Cell*** in the year 2000, organized four Conferences and Workshop on IPR till 2003, and formulated **IPR Policy** in Oct 2003; he also formulated **IITR Policy on Plagiarism** in Dec. 2012. He started editing and publishing monthly official news bulletin of IITR, ***Samvaad***, w.e.f. June 2002, and continued as Chief Editor till Jan 2005.

As Professor In-Charge Planning (during Apr 2002 to Dec 2004) he was responsible for Preparation of budget (plan and non-plan) for IIT Roorkee, presentation before Budget Committee, Finance Committee, Board of Governors, and MHRD; allocation of plan and non-plan budget to all the limbs of the Institute and monitoring expenditures in monthly meetings of Budget Committee; Formulation and execution of many Memoranda of Understanding between IITR and various Universities globally. In his capacity as Professor In-Charge Finance (during Apr 2003 to Feb 2006), he handled directly accounts and financial matters including balance sheet and audit, he was instrumental in computerization of accounts and developing computer codes for allocation of budget under plan and non-plan (expenditure/payment, salary, advances, travel, etc.), besides getting prepared the annual balance sheet of the Institute along with auditing of accounts from Govt agencies at the level of AG/CAG.

As Head of Chemistry Department (during 2005-2007), he was instrumental in creating new infrastructure, starting a five year integrated MSc (chemistry) program with the development of syllabi and curricular structure.

At IITR, he has also served as Chairman, Library Advisory Committee (Jan 2011-Dec 2012), and Member, Board of Governors (Jan 2012 to Dec 2013). Prof Bhushan served as the Dean of Students’ Welfare (01st Apr 2013 to 30th Apr 2014), and Member, Finance Committee (since Jan 2012). He is in the true sense a teacher, researcher and motivator. 21 Jul 2014