Prof. Ravindra Kumar Sinha

Vice-Chancellor, Gautam Buddha University

Prof. R. K. Sinha received M. Sc. degree in Physics from the Indian Institute of Technology (**IIT**), **Kharagpur**, India, in 1984, and Ph.D. degree in the area of Fiber Optics and Optical Communication Technology from the **IIT**, **Delhi**, India, in 1990. He had held various research and academic positions at the **Indian Institute of Science** (**IISc**), Bangalore during 1991, Birla Institute of Technology and Science (**BITS**) Pilani during 1992-1994, REC **(now NIT)** Hamirpur H.P. during 1994-1998, Delhi College of Engineering-**DCE**, University of Delhi and Delhi Technological University-**DTU.** He has served as a Professor of Applied Physics and Chief Coordinator of TIFAC-Center of Relevance and Excellence in Fiber Optics and Optical Communications (Mission REACH Program of Technology Vision 2020, Govt. of India) at Delhi Technological University Delhi during October 2002-January 2022.

He is currently Vice Chancellor of Gautam Buddha University- Greater Noida. Prof Sinha has served as (i)**Director** of CSIR-Central Scientific Instruments Organization (**CSIO**) Chandigarh from July 02, 2015 to February 29, 2020 (ii) **Director** (Additional Charge) of **CSIR-CEERI Pilani** during November 2015-March 2016 and(iii) **Director** (Additional Charge) **CSIR-IMTECH Chandigarh** during the year 2016-2017. He has also served as (i) **Dean** (Academic-UG) during January 2015-June 2015 (ii) **Dean** (Industrial Research and Development) during 2008-2010, (iii) **Head of Department**, Applied Physics Department during March 2009 to July 2012 and (iv) **Chief Warden** during 2003-2006 at DCE/DTU Delhi. Prof. Sinha has also served as an **Outstanding Professor** in Engineering Sciences of Academy of Scientific and Innovative Research (**AcSIR)**, CSIR, Govt. of India.

He is the author/co-author of **368 research publications** in the leading national and international journals (**166**) and conference proceedings (**202**), **07 Book chapters**, **03 Books** and originated **05 patents**. He has supervised **19** Ph.D. thesis and **22 R&D projects** sponsored by Government and Private Organizations.

Prof. Sinha is a **Fulbright Scholar** – recipient of Fulbright-Nehru Fellowship for acquiring firsthand knowledge of Higher Education Systems and Practices of USA covering over a dozen US universities and higher educational institutions as an **International Educational Administrator** in **2013.** He was **Keynote Speaker** in International Conference **–NOPT in Singapore** in February 2010. He has also been awarded **(i) National Science Council Taiwan Fellowship- 2009** to pursue research in the area of Nanophotonic Devices **(ii) Indo Swiss Bilateral Research fellowship-2009 to** initiate collaborative research in the area of Nanophotonic Devices **with EPFL Switzerland and DTU**, Delhi, India **(iii) Royal Academy of Engineering (U.K)** Fellowship-2008 to carry out research on Photonic Crystal Waveguides and Devices at Glasgow University, UK **(iv)** the **Japan Society for Promotion of Science** (JSPS) Invited Fellowship- 2007 to carryout research work on Multicore Photonic Crystal Fibers at **Hokkaido University, Sapporo, Japan (v)** Prof. Sinha is awarded **UKIERI fellowship** from **British Council of India** to initiate collaborative research between leading universities of UK and his organization in the year 2006. **(vi)** He was an academic visitor of Stanford University in **2002** and an academic visitor of **MIT, Harvard and Boston** University in 2005 **(vii) ICTP-Visiting Scientist** fellowship-**1991 at** ICTP Trieste**, Italy**, **IROST Fellowship 1992** and **Visiting Scientist position** at University of Campinas in Brazil in **1995 (viii)** a recipient of **Japanese Govt. Scholarship in 1989- 1991** to carry out research at Osaka and Kobe University in Japan. He is a **Fellow** of SPIE-The International Society of Optics and Photonics USA, **Fellow** of the IETE (India), and a **Fellow** of Optical Society of India, a **member** of the Optical Society (OSA, USA), a member of IEEE and a Member of the Photonics Society, IEEE. Professor Sinha is also Faculty Adviser of SPIE-DCE Chapter and OSA- DCE Chapter at DTU, Delhi. Professor Sinha has been actively involved in supervising several **innovative projects** on the design and development of unmanned and autonomous vehicles and in the establishment **of Knowledge and Innovation Park** with focus on student led innovation and product development. He has successfully mentored technology development and technology transfer of **39 technologies for Commercialisation** to industries and over **25** MoUs during his stint as Director, CSIR-CSIO Chandigarh.

Prof. R. K. Sinha has been awarded **(i)**Research Excellence Award 2021 of DTU **(ii)** Gold-Skoch Award 2020 for defense technology **(iii)** CSIR- Technology Award 2018 **(iv) I**nstitution of **E**lectronics and **T**elecommunication **E**ngineers **(IETE)** Biman- Behari Sen memorial award for outstanding research in the area of Telecom Grade Optical Fibers and Optoelectronic Devices Optics in 2012 **(v)** Emerging Optoelectronics Technology Award [(CEOT-IETE, India)]-2006 for outstanding research work in the area of Nano-photonics, (**vi**) S. K. Mitra Memorial Award for in Best Research Paper in IETE Technical Review 2002 on Nanostructure Electron Waveguides and Devices and (**vii**) his coauthored research papers have won several Best Research Paper Awards for his students which includes Swarna Jayanti Puraskar (Gold Medal) from the National Academy of Sciences in the area of Nano-scale Optical Devices for the year 2001, Reliance Technology Awards 2010, SPIE 2014 and OSI 2014 best research presentation award. He is recognized as **top 2% scientists** in the world in Optoelectronics and Photonics. His major research area is Fiber Optics and Photonics and currently working on Nano-photonic Devices for Telecom and Sensing Applications.