

Biographical Sketch of Narayan Hosmane

Distinguished Research Professor and Board of Trustees Professor
Department of Chemistry and Biochemistry
Northern Illinois University



Narayan S. Hosmane was born in Gokarn, Karnatak state, Southern India, and is a B.S. and MS graduate of Karnatak University, India. He obtained a Ph.D. degree in Inorganic Chemistry in 1974 from the University of Edinburgh, Scotland, under the supervision of Professor Evelyn Ebsworth. After a brief postdoctoral research training in Professor Frank Glockling's laboratory at the Queen's University of Belfast, he joined the Lambeg Research Institute in Northern Ireland, and then moved to the USA in 1976 to conduct research on carboranes as solid rocket propellants in the laboratories of Professors Frederic A. Johnson and William E. Hill at Auburn University under the contract of Redstone Arsenal (RSA) in Alabama. After postdoctoral work with Russell Grimes at the University of Virginia, in 1979, he joined the faculty at the Virginia Polytechnic Institute and State University. In 1982, he joined the faculty at the Southern Methodist University, where he became Professor of Chemistry in 1989. In 1998, he moved to Northern Illinois University and is currently a Distinguished Research Professor, Inaugural Board of Trustees Professor and Distinguished Faculty.

Dr. Hosmane is widely acknowledged to have an international reputation as “one of the world leaders in an interesting, important, and very active area of boron chemistry that is related to Cancer Research” and as “one of the most influential boron chemists practicing today.” Much of his research centers on the development of cancer drugs for boron neutron capture therapy (BNCT). Compounds he has synthesized in laboratories have been utilized in clinical trials. Dr. Hosmane collaborates with Argonne and Fermilab in addition to working with Kishwaukee Hospital and DeKalb Clinic on prostate and bladder cancer research. Since 1984, he has received more than \$6.5 million from external funding sources such as the National Institutes of Health, National Science Foundation and NASA.

In addition to teaching the students, he has served as a visiting professor or distinguished professor at higher education institutions around the world. Dr. Hosmane has received numerous international awards that include but are not limited to the Alexander von Humboldt Foundation's Senior U.S. Scientist Award twice; the BUSA Award for Distinguished Achievements in Boron Science; the Pandit Jawaharlal Nehru Distinguished Chair of Chemistry at the University of Hyderabad, India; the Gauss Professorship of the Göttingen Academy of Sciences in Germany, Visiting Professor of the Chinese Academy of Sciences for International Senior Scientists; High-End Foreign Expert of SAFEA of China; and Foreign Member of the Russian Academy of Natural Sciences. He has published over 350 papers in leading scientific journals and an author of five books on boron science and cancer therapies.