



# पद्म पुरस्कार 2017

## Padma Awards 2017



मार्च, 30, 2017

March 30, 2017

राष्ट्रपति भवन

Rashtrapati Bhawan

नई दिल्ली

New Delhi



## PROF. HARKISHAN SINGH

Prof. Harkishan Singh in addition to being a popular pedagogue has been a prominent medicinal chemistry and pharmaceutical history researcher.

2. Prof. Singh's research group at the Panjab University designed neuromuscular blocker, named Chandonium Iodide after Chandigarh city, later the World Health Organization termed it as Candocuronium Iodide, proved to be a clinically usable drug. The Drugs Controller General of India, Ministry of Health, Government of India, granted permission for manufacture and marketing of Chandonium Iodide. It is very rare that new drugs emerge from universities.

3. As a pharmaceutical historian, Prof. Singh has examined the history of pharmaceutical developments in India of the nineteenth and twentieth centuries. His history research studies have been on pharmacopoeias and formularies, pharmaceutical education, pharmacy practice, biographies of pharmaceutical luminaries, and pharmaceutical journalism. He has published over eighty articles and eight books.

4. Born on November 25, 1928, Prof. Singh received his Bachelor of Pharmacy in 1950, from the Panjab University. He obtained his Master of Pharmacy and Ph.D. degrees from the Banaras Hindu University, in 1952 and 1956, respectively. He had the postdoctoral experience of working at the Universities of Maryland and Mississippi in USA, and the University of London in UK.

5. Prof. Singh has served on the teaching faculties of the Banaras Hindu University, the University of Saugar, and the Panjab University, at the latter he is presently Professor Emeritus. There have been completed 48 master and doctoral theses under his supervision.

6. Prof. Singh has lectured on his research at several of the institutions and conferences in India, United States of America, Canada, United Kingdom, Switzerland and China. He delivered invited lectures at the Harvard School of Medicine of the Harvard University, and International Symposium on Molecular Structure sponsored by the International Union of Crystallography at Beijing.

7. In addition to his scientific and history research papers, Prof. Singh has authored and/or co-authored many books and review articles, including several book chapters. He has written extensively on educational, scientific, historical, professional and general issues. It is unusual that scientists engage in writing accounts of their personal lives, but Prof. Singh did it through his autobiography Witness to an Era. He has scripted the experiences of the period of nearly nine decades, inclusive of his rural living, passing through the years when country was in throes of struggle for freedom, and independence bringing with it the partition.

8. Prof. Singh has been on many academic, scientific, professional and governmental bodies. He was a member of the Committee on International Education of Medicinal Chemists of the International Union of Pure and Applied Chemistry, which prepared the Report on the International Education of Medicinal Chemists.

9. Prof. Singh is recipient of several scientific and professional awards and recognitions. He has been a National Fellow of the University Grants Commission, New Delhi. He has been General President of the Indian Pharmaceutical Congress. He received Eminent Pharmacist Award of the Indian Pharmaceutical Association. Lifetime achievements awards have been conferred on him by several bodies; the recent one is the Lifetime Achievement Award by the Punjab Academy of Sciences. Prof. Singh's standing as historian has been recognized through his election to the Academie Internationale d'Histoire de la Pharmacie. The University of the Sciences in Philadelphia and the Panjab University have conferred upon Prof. Singh the degrees of Doctor of Science (Honoris Causa).