

AWARDS AND HONOURS

Dr A.K.Bag, an M.Sc (Pure Math.) and a Ph.D (History of Mathematics) from the University of Calcutta, has been elected a Fellow (FASc, 2010) of the Indian Academy of Sciences, Bangalore. He has been associated with the National Commission for History of Science for the last 50 years since 1960, almost from its foundation, and has been contributing to various fields of science and mathematics in India since then. He has published about 100 research articles and ten books to his credit from India and abroad. The books are on (i) Bibliography of Sanskrit works in Astronomy and Mathematics (with S.N. Sen and S.R. Sarma), (ii) *Śulbasūtras* (with S.N. Sen on early geometry), (iii) *Science and Civilization in India* (Harappan Period), (iv) *Mathematics in Ancient & Medieval India*, (v) *Concept of Śūnya* (with S.R. Sarma), (vi) *History of Oriental Astronomy* (ed. with Govind Swarup and K.S. Shukla), (vii) *Science and Technology in India and Central Asia* (ed.), (viii) *History of Technology in India* (ed.), (ix) Special edited volumes: Cannons and Gun Powder and (x) Wootz Steel, which give a lot of inputs to the knowledge of mathematical science and technology of India from national and international perspectives. His analysis of vedic geometry, Indian solutions of first, second degree equations and trigonometrical tables leading to Sine and Cosine series are highly appreciated. Some of his books have been prescribed in Universities in USA, Germany and Russia.

In recognition to the merit of his contributions, he was already elected a Member of the International Academy of History of Science, Paris(1988); Invited to deliver special lectures in History of Mathematics, Helsinki University, Finland(2003); Professor R.C. Gupta History of Science Award Lecture (2004) by the National Academy of Sciences, India; Special Lecture in History of Science, IISc Bangalore(2009); Manuscripts Mission Lecture Program, IGNCA Delhi(2010) and others.

Dr Bag is a polyglot-scholar, and presently the editor of *Indian Journal of History of Science (IJHS)*. The world-wide reputation of the *IJHS* is an achievement of his efforts.

Prof. Radha Charan Gupta, an M.Sc. (Mathematics, Lucknow University 1957), Ph.D. (History of Mathematics, Ranchi University 1971) was awarded with highest honour in the history of mathematics, the Kenneth O May Prize and Medal (2009) for lifetime scholarly achievement and commitment to the field by International Commission for History of Mathematics (ICHM).

He joined the faculty of mathematics at BIT Meshra in 1959 and became full professor in 1982 and subsequently professor emeritus after his retirement.

Prof. Gupta is a pioneer in the field of mathematics and has published several hundred articles in reputed journals in India and abroad. His path-breaking works are his analysis in trigonometry of Parmeśvara's third order series approximation of Sine functions (an Indian equivalent of Taylor series). His other articles well known in the area are 'Histography of mathematics in India', 'Area of bow figure in India' and a little known 19th century study of *Gaṇita-Sāra-Saṅgraha*, contributions in the area of Jaina, Buddhist or Hindu cosmological theories and the impact of Indian mathematics on foreign discoveries.

As a reward to his teaching and research in the field of mathematics, he was elected a Fellow of the National Academy of Sciences, India (1991), President of Association of Mathematics Teachers of India (1994) and Corresponding Member of International Academy of History of Science (1975). In 1979, he began his decade long service as founding editor of Journal *Gaṇita Bhārati*, His pedagogical publications and lectures have greatly influenced the history of Indian mathematics and the world mathematics at large.

