

This Special Volume of  
**JÑĀNĀBHĀ**  
is Being Dedicated to  
**PROFESSOR G. C. SHARMA**  
on His 85<sup>th</sup> Birth Anniversary Celebrations



**PROFESSOR G. C. SHARMA**  
(Born : July 15, 1938)

**PROFESSOR G. C. SHARMA (GOKUL CHANDRA SHARMA):  
A LEADING MATHEMATICIAN**

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Professor G.C. Sharma is well recognized leading mathematician well associated with *VIJÑĀNA PARISHAD OF INDIA* since 1990. He was honored by *DISTINGUISHED SERVICE AWARD* of VPI in 1996 during 6<sup>th</sup> Annual Conference of VPI held at Bundelkhand Institute of Engineering and Technology, Jhansi, Uttar Pradesh, India [December 26-28, 1996]. Professor G.C. Sharma has credit to grace the chair of President of VPI [April 2008- March 2011]. He was elected as Honorary Fellow of VPI (*FVPI*) in 2007 during 12<sup>th</sup> Annual Conference of VPI held at J.N.V. University, Jodhpur, Rajasthan, India [October 25-27, 2007]. Professor Sharma was also honored by Highest Prestigious VPI Award “*LIFE-LONG ACHIEVEMENT AWARD*” during 20<sup>th</sup> Annual Conference of VPI held at Manipal University, Jaipur, Rajasthan, India [November 24-26, 2017]. Professor Sharma was recently honored by “*VPI GOLDEN JUBILEE AWARD*” during 5<sup>th</sup> International Conference and Golden Jubilee Celebrations of VPI held at J. N. U., New Delhi, India [June 16-18, 2022]. Professor G. C. Sharma is also active member on Editorial Board of *JÑĀNĀBHA*.

All members of *JÑĀNĀBHA* family feel immense pleasure with heartiest congratulations and best wishes to publish current issue of *Jñānābha*, Vol.53(1) (June 2023)

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**Professor G. C. Sharma: A Bibliographic Skatch**

Professor G. C. Sharma was born on July 15, 1938 at Chindauli, District Mathura. His father Late Bhavani Shankar Sharma was a freedom fighter. Professor Sharma completed his graduation from K. R. College, Mathura and Post-Graduation in Mathematics from Agra College, Agra, Uttar Pradesh. As a student he had a brilliant record and secured throughout Ist division. He started his teaching career as Lecturer in Mathematics from St John’s College, Agra in 1961 and after one year joined Agra College, Agra. He received doctorate degree in 1972 from Agra University, Agra. He was selected in 1981 as Reader in the Department of Mathematics, Institute of Basic Sciences, Agra University, Agra and became Professor in 1985.

Professor Sharma held the following academic posts (i) Ex Pro- Vice Chancellor, Dr. B. R. Ambedkar University, Agra (ii) Former Professor and Head, Department of Mathematics and Computer Science, Institute of Basic Science, Agra (iii) Ex Principal, Agra College, Agra, and (iv) Ex Director of-

- o Institute of Basic Science
- o Institute of Management
- o Institute of Vocational Education
- o Institute of Engineering and Technology

at one time of the Institutes of Khandari Campus, Dr B.R. Ambedkar University, Agra, Uttar Pradesh, India.

In addition to teaching experience of 38 years in Degree, P.G. and M.Phil., Professor Sharma is an active researcher and is on the frontline of Bio-mathematicians and Applied OR Specialists in India and abroad.

**Research Experience:** more than 50 years

- Guided 72 candidates for Ph.D. degree in Mathematics, Computer Science and Management.
- Published more than 220 research papers
- Conducted 7 Research Projects of CSIR and UGC
- Author of 24 Textbooks (from High school to P.G. classes) and two reference texts
- Organized 7 National/ International Conferences and 3 workshops
- Professor G. C. Sharma popularized blood flow models and their applications in medical sciences, queueing models of complex machining systems, and other topics by imparting plenary lectures and keynote addresses in more than 150 National/International Conferences/Seminars/symposium. His scientific contributions in the following areas are worth-noting:

- Development of fluid dynamic models in different frameworks and their applications.
- Study of blood concentration affecting erythrocyte sedimentation.
- Mathematical modeling of conjugate and its localization in cancer chemotherapy.
- Studies on population dynamic of infectious diseases and population genetics.
- Development of diffusion approximations models for manufacturing systems.
- Traffic models with customers' behavior and service interruption.
- Inventory system having stock dependent demand rates under an inflationary environment.
- **Life Member of following Societies**
  - Indian Science Congress
  - Indian Mathematical Society
  - OR Society of India (Ex Vice President)
  - Ramanujan Mathematical Society
  - Vijnāna Parishad of India (Ex President)
  - Bharat Ganita Parishad (Ex Vice President)
  - Global Society of Mathematical & Allied Sciences (Ex. President)
  - National Academy of Sciences, India
  - Indian Society of Biomechanics
  - Indian Society for Industrial and Applicable Mathematics (Founder member)
- He is on the Editorial Board of various National and International Journals and served as Reviewer of Research papers of various National & International Journals and research projects of CSIR and DST.
- Professor Sharma has visited many countries as Visiting Faculty and delivered Invited, plenary and Keynote Lectures in the conferences/seminars. He chaired many technical sessions and delivered lectures in educational Institute of repute in U.S.A. (Visiting faculty in Maryland University), Canada, Germany, U.K., Netherlands, France, Belgium, Taiwan, Italy, Mauritius, Thailand, etc.
- He was member of various Committees in the University namely, Research Degree Committees, Selection Committees, Advisory Boards and Inspection Committees.
- **Administrative Experience**
  - Attended more than a dozen, Summers and Winter Schools.
  - Faculty Member in Summer School held at Agra College, Agra.
  - Member of Mathematical Section, Indian Science Congress.
  - Expert in U.G.C. for various projects (Minor) in 1984-85.
  - External expert for selection committees.
  - External member for faculty of science in various University.
  - Member of panel for affiliation in various University.
  - Member of Court in the University.
  - Member of Academic Council.
  - Member of Executive Council (1991-92, 92-93, 96-98)
  - Member of Research Degree Committee.
  - Member of committees in the University and a special invitee to college development council.
  - Dean, Faculty of Science (1991-94).
  - Member, Academic Advisory Committee Academic Staff College, AMU Aligarh.
  - Director, Coaching Schemes of U. G. C., Govt. of India and Agra Universities.
  - Organiser, Model Parliament which stood II at National Level.
  - Organising Chairman, Literary Events North Zone, Universities Youth Festival 1996.
  - Organising Chairman, Universities Youth Festival 1987.
  - Co-ordinating Director Job Oriented Courses, Agra University.
  - Director, Computer Centre; Director, University Science Instrumentation Centre (upto 1996).

In addition to his academic bright career, Professor Sharma is very popular among his students, colleagues and fellow workers for his cordial support and personnel generosity. As a man, Professor Sharma is a great human being, excellent teacher, an eminent researcher, perfectionist and a disciplined man.