

## Dr. S.M. Chitre

Name	SHASHIKUMAR M. CHITRE	
Date of Birth	May 7, 1936	
Academic Qualifications	B. A. 1956, University of Bombay B. A. 1959, University of Cambridge M. A. 1963, University of Cambridge  Ph. D. 1963, University of Cambridge	
Designation and Work Address	Distinguished Faculty Member, UM-DAE Centre for Excellence in Basic Sciences, University of Mumbai, Annabhau Sathe Bhawan, Kalina Campus, Santacruz (East), Mumbai 400098, India Telephone: +91 22 2652 4989 (off); Fax: 91-22-26524982 E-mail: kumarchitre [at] cbs [dot] ac [dot] in	
Membership of Learned Societies	Fellow of the Indian Academy of Sciences Fellow of the Indian National Science Academy Fellow of the National Academy of Sciences, India Fellow of the Third World Academy of Sciences  Fellow of the Maharashtra Academy of Sciences Fellow of the Royal Astronomical Society Member of the International Astronomical Union	
Professional Activities	Lecturer in Applied Mathematics, University of Leeds, England, 1963-1966 Research Fellow in Physics at the California Institute of Technology, 1966-1967 National Academy of Sciences – National Research Council (USA) Senior Research Associate, Goddard Institute of Space Studies, New York, 1970-1973. UGC National Lecturer in Physics, 1975 –1976 Max-Planck Fellow at the Max-Planck-Institute fur Extraterrestrische Physik, Garching bei Munchen, January – May 1981 INSA-Royal Society Exchange Visitor at the Institute of Astronomy, University of Cambridge, Cambridge, England, June – September, 1981 SRC Senior Visiting Research Fellow in the School of Mathematical and Physical Sciences, University of Sussex, Falmer, England, September – November, 1981.  Visiting Senior Research Astronomer in the Department of Astrophysical Sciences – Princeton University, USA, November 1981 – February 1982. Senior Visiting Fellow at the Institute of Astronomy, University of Cambridge, Cambridge, England, May 1988 – July 1988 Visiting Professor of Astronomy in the Virginia Institute of Theoretical Astronomy, University of Virginia, Charlottesville, VA, USA, August 1988 – January 1989 National Academy of Sciences – National Research Council (USA) Senior Research Associate at NASA – Goddard Space Flight Center, Greenbelt, MD, USA, January 1989 – January 1990 Visiting Professor of Astronomy and Perren Research Fellow at Queen Mary and Westfield College, University of London, London, England, April – June 1992; May – June 1993, May-June 1995, May-June 1997. Visiting Professor at the Physical Research Laboratory, Ahmedabad, 1999-2000 Honorary Professor at Jawaharlal Nehru Centre for Advanced Scientific Research, 2000 – 2003 Leverhulme Visiting Professor at Queen Mary, University of London, 2001, 2002. By-Fellow of Churchill College, Cambridge, Easter Term 2003,2005 Visiting Astronomer at the Institute of Astronomy, Cambridge, Easter Terms 2003-2005 & 2007 Raja Ramanna Fellow at the Department of Physics, University of Mumbai, 2001-2006  INSA Honorary Scientist 2007 –	
Fields of Specialization	Structure of Sunspots, Solar Seismology, Gravitational Lenses, Physics and Astrophysics of Collapsed Objects	

Awards	<p>The Duke of Edinburgh Fellowship of the University of Bombay, 1956  F M Dastoor Prize in Mathematics of the University of Bombay, 1956  Dakshina Fellowship at Elphinstone College, Bombay 1956 – 1957  Post-graduate Fellowship of Bombay University, 1956 – 1957  The Cambridge Society of Bombay Scholarship at Peterhouse Cambridge, 1957 – 1960  Title of Scholar of Peterhouse, Cambridge, 1960  Mathematics Prize for distinction in Part III of the Mathematical Tripos, 1960  Gulbenkian Research Studentship at Churchill College, Cambridge, 1960 – 1963  ‘Honorable Mention’ for an essay on Gravitational Screens and the Apparent  Superluminal Separation in Quasars by the Gravity Research Foundation of the US (with  J V Narlikar)</p>
Awards Lectures	<p>Professor A C Banerjee Memorial Lecture of the National Academy of Sciences, India,  1992</p> <p>INSA-Vainu Bappu Memorial Award Lecture of the Indian National Science Academy,  1995</p> <p>Vaidya-Raychaudhuri Endowment Fund Lecture of the Indian Association for General  Relativity and Gravitation, 1999</p> <p>M.P. Birla Award Lecture, 1999</p> <p>Kum. L.A. Meera Memorial Award Lecture, 2001</p> <p>DAE-Raja Ramanna Lecture in Physics 2007</p>
Guidance of Research Students	<p>V K Garde awarded Ph D degree of Mumbai University in 1975 for his thesis “Physics of  Neutron Stars”</p> <p>D M Kale awarded Ph D degree of Mumbai University in 1977 for his thesis “Instabilities  in the Stellar Atmosphere”</p> <p>H M Antia awarded Ph D degree in 1980 of Mumbai University in 1979 for his thesis  “Over stabilities in the Solar Atmosphere”</p> <p>S K Pandey awarded Ph D degree of Ravi Shankar University in 1980 for his thesis “Study  of Penetrative Instabilities”</p> <p>R V Kamat awarded Ph D degree of Mumbai University in 1980 for his thesis “Problems  concerning the Theory of Direct Interparticle Action”</p> <p>D Narasimha awarded Ph D degree of Mumbai University in 1984 for his thesis  “Oscillatory and Non-Oscillatory Velocity Fields in Stars”</p> <p>S Nair awarded Ph D degree of Mumbai University in 1993 for her Thesis “Some  Problems in Gravitational Lensing”</p>