

CURRICULUM VITA

NAME	Shobhit Mahajan
ADDRESS	Dept. of Physics & Astrophysics University of Delhi Delhi 110007. Email: shobhit.mahajan@gmail.com sm@physics.du.ac.in
EDUCATIONAL QUALIFICATION	B.Sc.(Hons) Physics 1980 University of Delhi. (Awarded the President's Gold Medal) M.S.(Physics) 1983 University of California, Berkeley. (C.G.P.A. of 4.0/4.0) Ph.D. (Physics) 1986 University of California, Berkeley.
RESEARCH & TEACHING EXPERIENCE	2004-present Professor Dept. of Physics & Astrophysics University of Delhi Delhi 1996-2004 Reader Dept. of Physics & Astrophysics University of Delhi Delhi

1993 - 1996
Senior Lecturer
Dept. of Physics & Astrophysics
University of Delhi,

1991 - 1993
Senior Lecturer
St. Stephen's College
Delhi 110007.

1986 - 1991
Lecturer
St. Stephen's College
Delhi 110007.

**RESEARCH & TEACHING
EXPERIENCE (contd.)**

1983 - 1986
Research Asst.
Lawrence Berkeley Lab,
Berkeley.

1981 - 1983.
Teaching Asst.
University of California,
Berkeley.

AWARDS AND HONOURS

National Merit Scholarship, 1977.
National Science Talent Scholarship, 1977-81.
President's Gold Medal, University of Delhi, 1981.
'Apple Distinguished Educator Award', 2006.

ADVISORY ROLES

Member, Advisory Council, India International Center (IIC), 2013-2016.
Director, Industrial Finance Corporation of India (IFCI), 2007-2013.
Member, Executive Committee, IFCI, 2007-2013.

Member, Audit Committee, IFCI, 2007-10.
Member, HR Committee, IFCI, 2010-2013.
Member, Remuneration Committee, IFCI, 2007-2013.
Director, IFCI Financial Services (IFIN) Ltd., 2008-2013.
Member, Remuneration Committee, IFCI Financial Services (IFIN) Ltd., 2008-2013.
Member, Executive Committee, IFCI Financial Services (IFIN) Ltd., 2009-2013.
Member, Board of Governors, Management Development Institute, Gurgaon, 2007-2013.
Member, Audit Committee, Management Development Institute, Gurgaon, 2007-2013.
Chairperson, H.R. Committee, Management Development Institute, Gurgaon, 2009-2011.
Chairperson, Academic & Infrastructure Committee, Management Development Institute, Murshidabad, 2010-13.
Member, Expert Committee, Delhi Government for evaluation of Wi-Fi access proposals, 2007-2008.
Member, Managing Committee, Cambridge School, Noida, 2008-09.
Member, Managing Committee, Cambridge School, Srinivaspuri, 2009-2015.
Member, Board of Governors, Institute of Leadership Development, Jaipur, 2008-2013.
Member, Focus Group on “Habitat & Learning”, National Core Group on Curriculum Reform. 2005. This group prepared a report which has been submitted to the National Committee on Curriculum Reform.
Member, Core Group to monitor the implementation of the Supreme Court order for Environmental Education in schools. 2005
Member, Expert Committee for evaluation of proposals for Samajik Suvidha Sangam, Delhi Government, 2009-10.
Member, Advisory Committee for Evaluation of Shiksha Sambhal program, Vidya Bhawan, Udaipur, 2017-21.

Member, ERNET committee on GEANT Project, 2006.
Member, Technical Review Committee for E-Governance, NIFT, Delhi, 2006-07.
Chairman, Committee for Networking & Information Technology

Resources, ICSSR, Delhi, 2005, 2006, 2007.
Member, Acquisition Committee of NASSDOC, ICSSR, 2005, 2006, 2007.
Member, Joint Cadre Review Committee for ICT Services Cadre, U.G.C, 2006- .
Chairman, Expert Team For review of NARS, ICAR, 2007-2008.

Chairman, Networking Committee, School of Open Learning, University of Delhi, 2006-2009.

Chairperson, Network Purchase Committee, University of Delhi, 2006-2009.

Member, Governing Body of the Delhi University Library System, 2005-2009.

Member, University of Delhi Team to Kabul University for Strengthening Higher Education In Afghanistan, 2006.

Member, Committee on Examination Reforms, University of Delhi, 2006.

Member, Committee on Administrative Reforms, University of Delhi, 2006.

Member, Governing Body of School of Open Learning, University of Delhi, 2006-9.

Member, Governing Body, North Eastern Hostel for Women, University of Delhi, 2006-2009.

Member, Committee for E-Governance, University of Delhi, 2007-2009.

Member, Committee for development of E-Learning Material, University of Delhi, 2007-2009.

Member, Advisory Committee of Institute of Life Long Learning, University of Delhi, 2007-2009.

Member, Grievance Committee for Students, University of Delhi, 2006-2009.

Member, Advisory Committee on Vocational Courses, University of Delhi, 2007-2009.

Member, Core Committee for Short Term Courses, University of Delhi, 2006-2009.

Member, Committee for Restructuring of USIC, University of Delhi, 2007-2009.

Member, Committee for Construction of Campus of Open Learning, University of Delhi, 2007-2009.

Member, Governing Body, St. Stephens College, University of Delhi, 2008-2010.

Member, Equal Opportunity Cell, University of Delhi, Delhi, 2006-2009.

Member, OBC Reservation Committee, University of Delhi, Delhi 2008-2009.

Member, Committee for Pan-African e-Network Project, University of Delhi, Delhi, 2008-2009.

OTHER ACTIVITIES

Consultant for Physical Sciences, Down to Earth, Science & Environment Magazine, N. Delhi.

Contributed a monthly Science & Technology Column in Chatterbox, a magazine for young adults.

Regular contributor to several major newspapers and magazines on Science, Technology and Policy issues. **Have written more than 250 articles on Science and Technology in several newspapers and magazines. Some of them available at <http://people.du.ac.in/sm/smweb/otherlistofpub.htm>**

Member-Secretary, Center for Development of Instructional and Educational Technology (**CENDIT**), an NGO which has done pioneering work in the field of developmental communication. CENDIT led the country in the use of video technology for developmental communication. CENDIT was associated with training and imparting skills on communication technologies (video, multimedia) to various NGOs around the country. CENDIT has also organised various conferences & seminars on communication and development.

Made documentary films on People's Human Rights Tribunal and on Land reforms in Bengal and Bihar.

Consultant for National Geographic Series on Science is Fun, 2009.

Organizer and a speaker on a Panel Discussion on "Science and Media" and a speaker on a Panel "Reforms in Higher Education: The Delhi University Experience" at the India International Center.

Speaker on a Panel " Commercialisation of Education." Organised a series of monthly **Public Lectures on Science & Technology** at the India International Center 2013-15.

Officiated as the Director, Delhi University Computer Center, Oct. 2004-2009. Responsible for running one of the largest networks in the country with about 11000 nodes, geographically spread over the city of Delhi. Also responsible for IT planning, implementation of IT projects, software development, Training of personnel, Purchasing of equipment and overall IT guidance for the whole University. Have been associated with the setting up of the University-wide Network in the University of Delhi and also led the team that designed and made the official website of the University of Delhi (www.du.ac.in).

Treasurer and Founding Trustee, Dr. Arvind N. Das Foundation for Critical Social and Cultural Studies.

Founding Trustee, Om Charitable Foundation, New Delhi. This Foundation runs a school for underprivileged at NOIDA and carries out a host of other activities.

Member, Research Degree Council & Board of Studies, Kumaun University, Nainital.

Member, Advisory Board, Mahatma Gandhi Law College, Gwalior
Delivered a talk on “University Education: Changing Socio-Economic landscape & its ramifications”, at Academic Staff College, Jawaharlal Nehru University, 2017.

Delivered a talk on “Science & Society” at Academic Staff College, Jawaharlal Nehru University, 2016.

Delivered a talk on “Scientific Temper” at CPDHE, Delhi University, 2015.

Delivered a talk on “Science & Society” at Punjabi University, Patiala, Aug. 2015.

Chaired a Panel on “Cinema & Society” at a Conference organized by FTII, Pune, Sept. 2004.

Delivered a talk on “IT Challenges in Higher Education, the Delhi University case”, at the Orientation Program at Center for Professional Development in Higher Education, 2005.

Delivered a talk on “IT Vision for Delhi University” at CPDHE, Delhi University 2006.

Conducted a Workshop at the British Council Library for School Science Teachers, Delhi, 2005.

Have delivered many popular talks on science at various schools and colleges.

CONFERENCES, WORKSHOPS & PROJECTS

Attended Theoretical Advanced Summer Institute in High Energy Physics at Yale University 1985.

Attended UNESCO Conference On “Physics in Developing Countries”, Canada 1983.

Member, Organizing Committee, U.G.C. Instructional School On Quantum Gravity, Delhi University, 1987.

Invited Speaker at S.E.R.C. Summer School in High Energy Physics 1988.

Speaker On Theoretical Physics Seminar Circuit 1987-88, 1991-92, 1992-93.

Attended Workshop on Gravitating Systems at Indian Institute of Science, Bangalore, 1989.

Attended International Symposium on the Conceptual Foundations of Quantum Mechanics, Delhi 1989.

Attended World Lab School on Fundamental Physics and Cosmology, Islamabad 1990.

Associate, Inter University Centre for Astronomy and Astrophysics, 1990 - 1993.

Attended International Conference on Gravitation and Cosmology, Physical Research Laboratory, Ahmedabad, 1991.

Visiting Research Scholar, Lawrence Berkeley Laboratory, March 1992.

Visiting Research Scholar, Centre for Particle Astrophysics, March-April 1992.

Visiting Research Scholar, Fermi National Accelerator Laboratory, April-May 1992.

Invited Speaker, X DAE-HEP Symposium, TIFR Bombay, December 1992.

Attended BCSPIN Winter School on Particle Physics and Cosmology, Puri, January 1993.

Attended VI Asia Pacific Regional meeting on Astronomy and Astrophysics, Pune, August 1993.

Attended XI DAE-HEP Symposium, Viswa Bharti University, December 1994.

Attended the XVII Symposium on Lepton-Photon Interactions, Beijing, August 1995.

Attended III International Conference on Gravitation and Cosmology, IUCAA, December 1995.

Convener, Astroparticle Physics & Cosmology Session, XII DAE-HEP Symposium, Guwahati, December 1996.
Attended 5 Workshop on HEP Phenomenology, IUCAA, 1998.
Attended XIV DAE-HEP Symposium, Hyderabad, December 2000.
Speaker On Theoretical Physics Seminar Circuit 2000-01.
Chaired a session on Cosmology at PASCOS '03 at Tata Institute of Fundamental Research, Mumbai.
Have been part of Selection Committees for JRF & SRF for DST projects. Have also been part of several Selection Committees for Lecturers and school teachers.
Co-Investigator of a U.G.C. Project on “Cosmic Microwave Background Radiation”.
Co-Investigator of a DST project “Phase Transitions in early Universe”.
On the panel of referees for Pramana.
Co-Investigator, Project on Digital Library & Information Literacy, Ministry of Information Technology, 2007-10.

Ph.D. Students Supervised:

Degrees Awarded: Annu Batra, Deepak Jain, Margarita Safonova, Abha Dev, Areejit Samal, Pankaj Narang, Santushth, Akshay Rana.
Currently Enrolled: Darshan Kumar.

Books Authored:

1. “More than 150 Unusual facts about Computers”, published by Scholastic Inc.(2002)
2. “More than 150 Unusual Inventions”, published by Scholastic Inc.(2003)
3. “Eminent Scientists”, published by Scholastic Inc.(2003)
4. “More than 150 Unusual facts about Physics”, published by Scholastic Inc.(2004)
5. “From Bugs to Blackholes”, Puffin Books. (2005)
6. “Environment in my pocket”, Scholastic Inc. (2006).

7. "103 Scientific Principles, Ideas, Theories & Stuff", Scholastic Inc. (2006).
8. "The Story of Steel", a set of 4 books for young adults, Pratham Books, (2007).
9. "Physics in my Pocket- A Reference Book", Scholastic Inc.(2007).
10. " A Quiz Book of Physics", Scholastic Inc. (2008).
11. "A Quiz Book of Mathematics", Scholastic Inc. (2008).
12. "The Story of Invention", Ullman Publishing. (2008).
13. "Concepts of Modern Physics, Sixth Edition" (with A. Beiser & S. Rai Choudhury), McGraw Hill. (2009).
14. "The Story of Science" Ullman Publishing. (2010).
15. "Scholastic Quiz Book" Scholastic Publishing. (2010).
16. "Get the Facts: Physics", Scholastic Publishing. (2010).
17. "Electricity, Magnetism & Electromagnetic Theory", (with S.Rai Choudhury), Mcgraw Hill. (2012).
18. "Get the Facts- Computer & Information Technology", Scholastic Inc. (2013).
19. "Concepts of Modern Physics, Seventh Edition" (with A. Beiser & S. Rai Choudhury), McGraw Hill. (2015).
20. " Climate Change- An Introduction", (under preparation).
21. "Science & Society", (manuscript under preparation)

Authored a report on Issues in Higher Education in Science, Observer Research Foundation, 2007.

(<http://people.du.ac.in/sm/smweb/report1.pdf>)

Contributed a chapter on "Science & Mathematics Teaching in Schools & Colleges India" to the 'Routledge Handbook of Education in India- Debates, Practices & Policies', Edited by Krishna Kumar (2017), Routledge, ISBN 9781138103641(hbk) and 9781315107929 (ebk).

Contributed a paper on “In Search of a Scientific Public Sphere” to an edited volume “The University Unthought: Notes for a Future”, edited by Debaditya Bhattacharya (2018), Routledge, ISBN 978-1-138-06732-5 (hbk) and 978-0-429-44197-4 (ebk).

Contributed a paper on “Of Pain Waves, Plastic Surgery & Panchgavya: The Quest for Hegemony in the Natural Sciences” to an edited volume, “ The Idea of A University”, edited by Apoorvanand (2018), Westland Books, ISBN 9789387894259 (hbk).

Contributed a chapter on “Higher Education in the Sciences in India” to a volume on Indian Science Education(forthcoming), Edited by S. Irfan Habib & Dhruv Raina (forthcoming, 2021).

Translated 2 books (“A Folk Tale from Argentina” & “A Folk Tale from Mynamar”) from English to Hindi for Pratham Books. Have also translated 4 pamphlets on Everyday Science from English to Hindi to be used in primary and middle schools.(2004)

Translated 4 books for Science for Children from English to Hindi for Pratham Books. (2005)