

Curriculum Vitae

Subir Sarkar

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Education:

Tata Institute of Fundamental Research, Bombay	PhD	1982
Indian Institute of Technology, Kharagpur	BSc, MSc	1972, 1974

Career:

2021 –	Professor Emeritus, Department of Physics, University of Oxford
2006 – 2021	Professor, University of Oxford (Head of the Particle Theory Group, 2011–19)
1998 – 2006	University Lecturer in Physics & Fellow of Linacre College, Oxford
1992 – 1997	PPARC Advanced Fellow & Research Fellow, Wolfson College, Oxford
1990 – 1992	Glasstone Research Fellow, Theoretical Physics, University of Oxford
1987 – 1988	Research Associate, Rutherford Appleton Laboratory, Chilton
1985 – 1986	Visiting Fellow, Department of Astrophysics, University of Oxford
1984 – 1985	Research Associate, European Organisation for Nuclear Research, Geneva
1983 – 1984	Visiting Fellow, Scuola Internazionale Superiore di Studi Avanzati, Trieste
1979 – 1984	Research Associate, Tata Institute of Fundamental Research, Bombay

Research interests:

Theory: Astroparticle physics; Cosmology; High energy astrophysics; Particle phenomenology

Experiments: CERN WA-66 (1985), Auger (2003–12), IceCube (2004–), CTA (2010–), QSHS (2019–), Rubin-LSST (2021–)

Publications: ADS, arXiv, Google Scholar, INSPIRE, ORCID, Web of Science (496 papers, 82,018 citations, h-index=103)

Awards:

- VAIBHAV Fellowship, Govt. of India, 2024-27
- Bruno Rossi Prize of the American Astronomical Society to the IceCube Collaboration, 2021 [shared]
- IUPAP-TIFR Homi Bhabha Medal & Prize, 2017
- Niels Bohr Professorship, University of Copenhagen, 2013–18
- Senior Fellowship, UK Science & Technology Facilities Council, 2006–09
- Advanced Fellowship, UK Particle Physics & Astronomy Research Council, 1992-97
- Indian National Science Talent Scholarship, 1969–78

Visiting Positions:

- Adjunct Professor, Raman Research Institute, 2019–22
- Associate, Discovery Center, Niels Bohr Institute, Copenhagen, 2010–20
- Associate, Institute of Particle Physics Phenomenology, Durham, 2011–12
- Adjunct Professor, Saha Institute of Nuclear Physics, Kolkata, 2008–13
- Adjunct Professor, Tata Institute of Fundamental Research, Mumbai, 2006–09

Academic Service:

- ★ Member, Particle Data Group (2001–)
- ★ Advisory Board: Sant Cugat Forum on Astrophysics (2012–); Helmholtz Alliance on Astroparticle Physics (2012–17); Gruber Cosmology Prize (2014–20); Institute of Physics, Universiteit van Amsterdam (2016-21)
- ★ Editorial Board: SciPost (2016–), Pramana (2013–20), European Physical Journal C (2012–15)
- ★ Scientific Council, International Center for Theoretical Physics Asia-Pacific, Beijing (2018–)
- ★ Steering Committee, European Centre for Astroparticle Theory (2019–20)
- ★ Member, Scientific & Technology Advisory Committee, KM3NeT (2013–20); Requirements Review Panel, CTA (2012)
- ★ Member, IUPAP Commission C4: Astroparticle Physics (2022–); Programme Review Committee, ApPEC (2005–14); Science Advisory Committee, ASPERA (2007–12); Science Vision Working Group, ASTRONET (2006–08)
- ★ Steering Committee, Astroparticle Physics Group, UK Institute of Physics (2006-08)
- ★ Coordinator, EU Marie Curie Research & Training Networks: UniverseNet (2006–10), Supersymmetry & the Early Universe (2000–04); Member, EU Marie Curie Initial Training Network: UniLHC (2009–13)
- ★ Chair, Consultation Panel on Astroparticle Physics, STFC Programmatic Review (2008)
- ★ Co-ordinator, Oxford-India Network on Theoretical Physical Sciences (2006–21)
- ★ Referee: EC, ERC, ESA; FNU, Denmark; AERES, France; Humboldt Stiftung, DFG & Helmholtz Gemeinschaft, Germany; Ministry of Education, Greece; DAE & DST, India; ANVUR & INFN, Italy; NWO, Netherlands; Royal Society of New Zealand; NRF, South Africa; SNSF, Switzerland; Leverhulme Trust, Royal Society, EPSRC & STFC, UK; DoE & NSF, USA