

Jayant V Narlikar

LIST OF PUBLICATIONS – III

Books Authored or Edited

A: Books authored by JVN

T: Books by JVN translated by others

E: Books edited by JVN

The books on science fiction are marked with an asterisk.

- 1A ASTROPHYSICS
(Co-authors: R.J. Tayler, W. Davidson and M.A. Ruderman)
W.A. Benjamin, London, 1969
- 2A ACTION AT A DISTANCE IN PHYSICS AND COSMOLOGY
(Co-author: Fred Hoyle)
W.H. Freeman and Company, San Francisco, 1974
- 3A GANIT ANI VIDNYAN (Mathematics and Science)
(in Marathi)
Mumbai Marathi Grantha Sangrahalaya, Bombay, 1975
- 4A THE STRUCTURE OF THE UNIVERSE
Oxford University Press, Oxford, 1977
- 5A GENERAL RELATIVITY AND COSMOLOGY
The Macmillan Company of India Ltd., New Delhi, 1978
- 6A VIDNYAN ANI MANAVACHA JEEVAN SANGHARSH (Science and Human Survival)
(in Marathi)
Deccan Education Society, Pune, 1979
- *7A YAKSHANCHI DENAGI (The Gift of the Yakshas)
(in Marathi)
Mauj Printing Bureau, Bombay, 1979
- 8A THE PHYSICS ASTRONOMY FRONTIER
(Co-author: Fred Hoyle)
W.H. Freeman and Company, San Francisco, 1980
- 9E GRAVITATION, QUANTA AND THE UNIVERSE
(Proceedings of the Einstein Centenary Symposium, 1979 at
Ahmedabad; co-editors: A.R. Prasanna and C.V. Vishveshwara) Wiley
Eastern, New Delhi, 1980

- 10A KHAGOLSHASTRACHE VISHVA (The Astronomical Universe)
(in Marathi)
Maharashtra State Board of Education and Culture, Bombay, 1982
- 11A VIOLENT PHENOMENA IN THE UNIVERSE
Oxford University Press, Oxford, 1982
- 12A THE LIGHTER SIDE OF GRAVITY
W.H. Freeman and Company, San Francisco, 1982
- 13A INTRODUCTION TO COSMOLOGY
Jones and Bartlett, Boston, 1983
- *14A PRESHIT (The One Who Was Sent)
(in Marathi)
Mauj Printing Bureau, Bombay, 1983
- 15E GRAVITATION AND RELATIVISTIC ASTROPHYSICS
(Proceedings of the Ahmedabad Workshop, 1982;
Co-editors: A.R. Prasanna and C.V. Vishveshwara)
Indian Academy of Sciences, Bangalore, 1984
- 16T LA STRUTTURA DELL' UNIVERSO
(in Italian: translation of 4A by Gianluigi Mainardi)
Piccola Biblioteca Einaudi, Rome, 1984
- 17A VIGYAN MANAV AUR BRAHMAND (Science, Man and the Cosmos)
(in Hindi)
Rajpal and Sons, Delhi, 1985
- 18A FROM BLACK CLOUDS TO BLACK HOLES
World Scientific Publishing Company, Singapore, 1985
- 19E A RANDOM WALK IN GENERAL RELATIVITY AND COSMOLOGY
(Festschrift for Professors P.C. Vaidya and
A.K. Raychaudhuri; co-editors: N.K. Dadhich
J. Krishna Rao and C.V. Vishveshwara)
Wiley Eastern, New Delhi, 1985
- *20A ANTARALATALA BHASMASUR (Bhasmasur in Space)
(in Marathi)
Shrividya Prakashan, Pune, 1985
- 21A A JOURNEY THROUGH THE UNIVERSE
National Book Trust's Nehru Bal-Pustakalaya, New Delhi, 1986
- 22T STRUKTURA WSZECHS'WIATA
(in Polish: translation of 4A by Adam Mazurkiewicz)
Panstwowe Wydawnictwo Naukowe, Warsaw, 1985

- 23T VIOLENT PHENOMENA IN THE UNIVERSE
(in Russian: translation of 11A by G.V. Budnika)
Mir Publications, Moscow, 1985
- 24T THE LIGHTER SIDE OF GRAVITY
(in Russian: translation of 12A by G.I. Blinnikova)
Mir Publications, Moscow, 1985
- *25T DHOOMKETU (The Comet)
(in Hindi: short stories from 7A and 20A translated by Rekha Deshpande)
Rajpal and Sons, Delhi, 1986.
- 26A GRAVITY, GAUGE THEORIES AND QUANTUM COSMOLOGY
(Co-author : T. Padmanabhan)
D. Reidel, Dordrecht, 1986
- *27A VAMAN PARAT NA ALA (Vaman did not return)
(in Marathi)
Mauj Printing Bureau, Bombay, 1986
- 28T THE LIGHTER SIDE OF GRAVITY
(in Japanese: translation of 12A by K. Nakamura)
Nikkei Science, Inc, Tokyo, 1986)
- 29T UNE GRAVITATION SANS GRAVITE
(in French: translation of 12 A by Jean-Pierre Maury)
Payot, Paris, 1986.
- *30T TROYNO GHODO (The Trojan Horse)
(in Gujarati : short stories from 7A and 20A translated by Bharat Pathak)
Gurjar Grantharatna Karyalaya, 1987
- 31T LE ESTRUCTURA DEL UNIVERSO
(in Spanish : Translation of 4A by Artur Klein)
Alienza Editorial, Madrid, 1987
- 32T FENS'MENOS VIOLENTOS EN EL UNIVERSO
(in Spanish: translation of 11A by Artur Klein)
Alienza Editorial, Madrid, 1987.
- *33A AGANTUK (The guest)
(in Hindi)
Rajpal and Sons, Delhi, 1988
- 34A THE PRIMEVAL UNIVERSE
Oxford University Press, Oxford, 1988
- *35A THE RETURN OF VAMAN
Ravi Dayal Publisher, Delhi, 1988

- 36A VISHVACHI SAHAL (A Journey Through the Universe)
(in Marathi)
National Book Trust's Nehru Bal-Pustakalaya, New Delhi, 1988
- 37E HIGHLIGHTS IN GRAVITATION AND COSMOLOGY
(Proceedings of ICGC-87; co-editors: B.R. Iyer, A. Kembhavi, and
C.V. Vishveshwara)
Cambridge University Press, Cambridge, 1988
- 38A THE FRONTIER BETWEEN PHYSICS AND ASTRONOMY
(IIT Madras Series in Science and Engineering)
Macmillan India Limited, Delhi, 1989
- 39T VISHVANI UTPATTI (Origin of the Universe)
(in Gujarati : translated by J.J. Rawal)
Parichaya Trust, Bombay, 1989
- 40T THE PHYSICS ASTRONOMY FRONTIER
(in Chinese: translation of 8A by Xiang Tao He)
Beijing, 1989
- 41T THE LIGHTER SIDE OF GRAVITY
(in Greek: translation of 12 A by Andreas I. Kathetas)
Bibliotheka Groxalia, Athens, 1989
- 41aT FROM BLACK CLOUDS TO BLACK HOLES
(in Russian : translation of 18A)
Energo-Atomizdat, Moscow, 1989
- 42A BRAHMAND KI KUCHH JHALAKEN (A Few Glimpses of the Universe)
(in Hindi)
Madhya Pradesh Hindi Granth Akademi, Bhopal, 1990
- 43A VIDNYANACHI GARUDA JHEP (The Leap-frogging of Science)
(in Marathi)
Shrividya Prakashan, Pune, 1990
- 44A VIDNYAN ANI VAIDNYANIK (The Science and the Scientists)
(in Marathi)
Shrividya Prakashan, Pune, 1990.
- 45A TARONKI JEEVAN GATHA (The Life Story of Stars)
(in Hindi)
Read and Learn Series of NCERT, Delhi, 1990
- *46T AA LOKAMU (From other worlds)
(in Telegu: translation of 14A by Sujanadevi Acharya)
Orient Longman, Hyderabad, 1990.

- *47T VAMAN NAHIN LAUTA
(in Hindi: translation of 27A by Prabhakar Machwe)
Rajpal and Sons, Delhi, 1990
- 48T FROM BLACK CLOUDS TO BLACK HOLES
(in Japanese : translation of 18A by Tadaoki Yoneyama and Kenji Urata)
Maruzen Co. Ltd., Tokyo, 1990
- *49T YAKSHOPAHAR (The gift of the yakshas)
(in Hindi : translation of a collection of Marathi stories from 7A and
20A by Sunita Paranjape)
Bharatiya Gyanapeetha Prakashan, 1991
- 50T VISHVAYAN (The Cosmic Spaceship)
(in Kannada : translation of 21A by G.T. Narayana Rao), 1991
- 51E VIDNYANACHE RACHAYITE (The Creators of Science)
(in Marathi : series of 12 booklets on famous scientists by R.V. Sovni)
Oxford University Press, Bombay, 1991
- *52A THE MESSAGE FROM ARISTARCHUS
Clarion Books, New Delhi, 1992
- 53A GANITATALYA GAMATI-JAMATI (Recreations in Mathematics)
(in Marathi)
Manovikas Prakashan, Bombay 1992
- 54A VISHVACHI RACHANA (The Origin of the Universe)
(in Marathi)
Wiley Eastern, Delhi 1992
- *55A ANTARALATIL SPHOT (The Cosmic Explosion)
(Science Fiction Novel in Marathi; also translated in English under the title 'The Cosmic Explosion' by Sujata
Godbole and in Hindi under the title 'Antarikshamein Visphot' by Surekha Panandikar)
Sahitya Akademi, Delhi, 1992
- 56A ASTROFISICA (Astrophysics)
(in Italian)
Jaca Book, 1992
- 57E PHILOSOPHY OF SCIENCE : Perspectives from Natural and Social Sciences
(Co-editors : Indu Banga and Chhanda Gupta)
Indian Institute of Advanced Study, Simla and Munshiram Manoharlal Publishers, Delhi, 1992
- 58A INTRODUCTION TO COSMOLOGY (2nd Edition)
Cambridge University Press 1993
Also published by Foundation Books, New Delhi, 1993
- 59E ASTRONOMY IN INDIA : PAST, PRESENT AND FUTURE
(Co-editor : R. Kochhar)
IUCAA, Pune and IIA, Bangalore, 1993

- 60A SHODH (Invention)
(in Marathi)
(edited and published by Dr. Chitra Naik, Indian Institute of Education, Pune, 1993)
- 61A ANTARALATIL SURAS ANI CHAMATKARIK GOSHTI
(Interesting and wondrous happenings in the Sky)
(in Marathi)
(edited and published by Dr. Chitra Naik, Indian Institute of Education, Pune, 1993)
- *62A TIME MACHINECHI KIMAYA (Miracle of the Time Machine)
(in Marathi)
Srividya Prakashan, Pune, 1994
- 63A GANITACHI GOSHT (The Tale of Mathematics)
Co-author : M.J. Narlikar
(in Marathi)
(published by Sarojini Babar in Samaj Shikshan Mala, 529, Pune, 1994)
- 64E SRUSHTI VIDNYAN GATHA : EKVISAVYA SHATAKACHA SANGATI
(World Science Saga - Companion of the 21st Century)
(in Marathi)
(edited by J.V. Narlikar, authored by Shriram Geet and published by Rajhans Prakashan, Pune, 1994)
- 65A POSTKARDATUN VIDNYAN (Science through Postcards)
(in Marathi)
Marathi Vidnyan Parishad, Mumbai, 1995
- 65aA VIDNYANGANGECHI AVAKHAL VALANE (The Meandering Flow of Science)
(in Marathi)
Manovikas Prakashan, Mumbai, 1995
- 66T MAHABISHYE BHRAMAN :
(in Bengali : translation of 21A by Ishani Raychoudhury)
National Book Trust, New Delhi, 1995
- 67T ANTARIKSHA BISPHORAN :
(in Bengali : translation of Antaralateel Sphot by Manabendra Bandyopadhyay)
Sahitya Academy, New Delhi, 1995
- 68A FROM BLACK CLOUDS TO BLACK HOLES- Second Edition
World Scientific Publishing Co., Singapore, 1995
- 69T BRAHMANAND KI YATRA
(in Hindi : translation of 21A by Krishna Kumar)
National Book Trust, New Delhi, 1995
- 70E PROCEEDINGS OF THE SIXTH ASIAN-PACIFIC REGIONAL MEETING OF
ASTRONOMY OF THE INTERNATIONAL ASTRONOMICAL UNION
Eds. J.V. Narlikar, N.K. Dadhich, V.K. Kapahi and G. Swarup, 1995

- *71A VIRUS
(in Marathi)
Mauj Prakashan Griha, Bombay, 1996
- 72A COSMOLOGY AND ACTION AT A DISTANCE ELECTRODYNAMICS
(Co-author: Fred Hoyle)
World Scientific Publishing Co., Singapore, 1996
- 73A ELEMENTS OF COSMOLOGY
Educational Monograph of the Jawaharlal Nehru Centre for Advanced
Scientific Research, Bangalore
Universities Press, Hyderabad, 1996
- 74A THE LIGHTER SIDE OF GRAVITY
Revised Second Edition
Cambridge University Press, Cambridge, 1996
- 75E ASTRONOMY IN INDIA: A PERSPECTIVE
(Co-author: Rajesh Kochhar)
A Diamond Jubilee Publication of the Indian National Science Academy,
New Delhi.
- 76E SPECIAL SECTION ON PROFESSOR SUBRAHMANYAN CHANDRASEKHAR
Current Science, Volume 70 No. 9, 1996
- 77E SOME ASPECTS OF GRAVITATION AND COSMOLOGY
Published by IUCAA, 1996
- *78T MAHAJAGATIC BISHFORON
(in Bengali: Translation of articles and science fiction stories)
Shaibya Prakashan Bibhag, Calcutta, 1997
- *78aT VAMAN PHIRLO NA
(in Bengali : Translation of 27A by Subrata Basu)
Sahitya Akademi, New Delhi, 1997
- 79E PHYSICS OF COMETS
Book in the Astronomy and Astrophysics Series, by K.S. Krishna Swamy
World Scientific Publishing Co., Singapore, 1997
- 80E SOLAR AND INTERPLANETARY DISTURBANCES
Book in the Astronomy and Astrophysics Series, by S.K. Alurkar
World Scientific Publishing Co., Singapore, 1997
- 81A AAKASHASHI JADALE NATE (Popular Account of Astronomy)
(in Marathi)
Rajhans Prakashan, Pune, 1998
- 82A YALA JEEVAN AISE NAV (That is Life!)
(in Marathi)
Shrividya Prakashan, Pune, 1998

- 83E GRAVITATION AND RELATIVITY : AT THE TURN OF MILLENNIUM
(Co-editor : Naresh Dadhich)
Proceedings of the GR-15 Conference held at IUCAA, Pune, India during
December 16-21, 1997
- 84T LZEJSZA STRONA GRAWITACJI
(in Polish: translation of 73A by Jerzy Lewinski)
Wydawnictwo Amber Sp.z.o.o.1998
- 85T ATITHI
(in Malayalam : translation of 14A by K. Krishnan Kutty)
D.C. Books, Kottayam, 1998
- 86A MOTION AND GRAVITY
Book in the Exploratory Series,
Shekhar Phatak & Associates, Pune, 1999
- 87A QUASARS AND ACTIVE GALACTIC NUCLEI : AN INTRODUCTION
(Co-author: Ajit K. Kembhavi)
Cambridge University Press, Cambridge, 1999
- 88A SEVEN WONDERS OF THE COSMOS
Cambridge University Press, Cambridge, 1999
- 89A A DIFFERENT APPROACH TO COSMOLOGY
(Co-authors : Fred Hoyle and Geoffrey Burbidge)
Cambridge University Press, Cambridge, 2000
- 90T MAHA VISWE MAHAKASHE
(in Bengali : translation of a collection of science essays on astronomy and astrophysics)
Shaibya Prakashan Bibhag, Calcutta, 2000
- 91T LAS SIETE MARAVILLAS DEL COSMOS
(in Spanish : translation of 88A by Dulcinea Otero Pineiro and David Galadi-Enriquez)
Cambridge University Press, Cambridge, 2000
- 92T A COSMIC ADVENTURE
(in English : translation of 81A by M.J. Narlikar)
Rajhans Prakashan, Pune, 2000
- 93T VIRUS
(in Hindi : translation of 71A by J.V. Narlikar)
Rajkamal Prakashan, Pvt. Ltd., New Delhi, 2000
- 94T Η ΦΩΤΕΙΝΗ ΠΛΕΥΡΑ ΤΗΣ ΒΑΡΥΤΗΤΑΣ
(in Greek : translation of 74A by Β' ΕΚΔΟΣΗ)
Katoptro Publications, Greece, 2000

- 95A FUN AND FUNDAMENTALS OF MATHEMATICS
(Co-author : Mangala J. Narlikar)
Universities Press (India) Ltd., Hyderabad, 2001
- 96T SCIENCE THROUGH POST-CARDS
(in English : translation of 65A by M.J. Narlikar)
Marathi Vidnyan Parishad, Mumbai, 2001
- 97T DIE SIEBEN WUNDER DES UNIVERSUMS
(in German: translation of 88A by von Helmut Mennicken
Roger & Bernhard GmbH & Co., Germany, 2001
- 98T SEVEN WONDERS OF THE COSMOS
(in Chinese : translation of 88A)
Cambridge University Press, Cambridge, 2001
- 99A ANTARAL ANI VIDNYAN (Space and Science)
(in Marathi)
Navachaitanya Prakashan, Mumbai, 2002
- *100A ABHAYARANYA (Sanctuary)
(in Marathi)
Mouj Prakashan Griha, Mumbai, 2002
- 101A AN INTRODUCTION TO COSMOLOGY (Third Edition)
Cambridge University Press, Cambridge, 2002
- 102T TA 7 ΘΑΥΜΑΤΑ ΤΟΥ ΣΥΜΠΛΗΡΟΥΣ
(in Greek : translation of 88A)
P. Travlos Publishers, Greece, 2002
- 103T cegeM: uygeca Ha kocMoca
(in Bulgarian : translation of 88A)
Press Syndicate of the University of Cambridge, U.K., 2002
- 104T A JOURNEY THROUGH THE UNIVERSE
(in Oriya : translation of 21A)
National Book Trust, India, New Delhi, 2003
- 105A VIRUS
Scholastic India Pvt Ltd., Gurgaon, 2003
- 106A THE SCIENTIFIC EDGE
Penguin Books India (P) Ltd., New Delhi, 2003
- 107T LE SETTE MERAVIGLIE DEL COSMO
(in Italian : translation of 88A)
Codice Edizioni, Torino, 2004

- 108A KHAGOL SHASTRA : PRASNOTARE (Astronomy : Question Answers)
(in Marathi)
Marathi Vidnyan Parishad, Mumbai, 2004
- 109T AVAKASHI SANDESH-VAHAK
(in Gujarati : translation of 14A by Bharat Pathak)
Gurjar Grantha Ratna Karyalaya, Ahmedabad, 2004
- 110A BLACK HOLES
National Book Trust, India, New Delhi, 2005
- 111A TALES OF THE FUTURE
Witness Books, Delhi, 2005
- 112A HOW & WHY IN ASTRONOMY
Marathi Vidnyan Parishad, Mumbai, 2005
- 113E FUNDAMENTALS OF SOLAR ASTRONOMY
Book in the Astronomy and Astrophysics Series by A. Bhatnagar and W. Livingston
World Scientific Publishing Co. Pte. Ltd., Singapore, 2005
- 114T BHARAT KI VIGYAN-YATRA
(in Hindi : translation of 106A by Vinod Kumar Mishra)
Prabhat Prakashan, New Delhi, 2005
- 115T GOODBYE VAMAN
(in Telugu : translation of 27A by Sujanadevi Acharya)
Sahitya Akademi, Bangalore, 2005
- 116E AN INVITATION TO ASTROPHYSICS
Book in the Astronomy and Astrophysics Series by T. Padmanabhan
World Scientific Publishing Co. Pte. Ltd., Singapore, 2006
- 117E FIND A HOTTER PLACE! A HISTORY OF NUCLEAR ASTROPHYSICS
Book in the Astronomy and Astrophysics Series by L.M. Celnikier
World Scientific Publishing Co. Pte. Ltd., Singapore, 2006
- 118E CURRENT ISSUES IN COSMOLOGY
(Co-editor : Jean-Claude Pecker)
Cambridge University Press, Cambridge, 2006
- 119T ROMANCHAK VIGYAN KATHAYEN
(in Hindi : translation of 111A by Sachin Sinhal)
Vidya Vihar, New Delhi, 2006
- 120A VIDNYANGANGECHI AVAKHAL VALANE (The Meandering Flow of Science) (Second Edition)
(in Marathi)
Manovikas Prakashan, Pune, 2007

- *121A SURYACHA PRAKOP (When the Sun got angry)
(in Marathi)
Shrividya Prakashan, Pune, 2008
- 122A NABHAT HASARE TARE (The smiling stars in the sky)
(Co-authors : Ajit Kembhavi and Mangala Narlikar)
(in Marathi)
Rajhans Prakashan, Pune, 2008
- 123A FACTS AND SPECULATIONS IN COSMOLOGY
(Co-author : Geoffrey Burbidge)
Cambridge University Press, Cambridge, 2008