BHUSHAN PATWARDHAN

PhD, D.Litt. (Hon), FNASc, FAMS, FMASc

Chancellor, Deccan College PGRI Deemed to be University, Pune
Distinguished Professor, Savitribai Phule Pune University & IIT Kharagpur
Adjunct Professor, Western Sydney University Australia | Member WHO STAG
Chairman, Scientific Advisory Committee, ICMR-National Institute of Traditional Medicine
Chairman, Research Advisory Committee, DBT-Institute of Bioresources and Sustainable Development
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PROFILE

Professor Bhushan Patwardhan is a globally recognized biomedical scientist with over four decades of contributions to transdisciplinary research, integrative medicine, and higher education governance. The Government of Maharashtra has nominated him as a Chancellor of Deccan College Post Graduate and Research Institute (Deemed to be University) – a renowned institution with 205 years of legacy.

As Vice Chairman of the University Grants Commission (UGC), Chairman of the National Assessment and Accreditation Council (NAAC), and Chairman in charge of the Indian Council of Social Science Research (ICSSR), he shaped India's higher education at the highest levels. He played a role in shaping the National Education Policy 2020. He facilitated implementation of novel initiatives such as the Academic Bank of Credit and the Scheme for Trans-disciplinary Research for India's Developing Economy to strengthen humanities and social science research. He conceptualized and chaired the Consortium for Academic Research Ethics (CARE), which produced India's first credible whitelist of peer-reviewed journals. His Nature Worldview article on predatory publishing has widely influenced academic policy across the country.

Globally, he serves on the World Health Organization (WHO) Strategic and Technical Advisory Group on traditional medicine and leads the WHO–Ministry of AYUSH Joint Taskforce on the Global Centre for Traditional Medicine. He is a Commissioner on the Lancet Citizens' Commission on Reimagining India's Health System. He has delivered invited lectures at the United Nations, WHO, the National Institutes of Health (NIH), Harvard, the Massachusetts Institute of Technology (MIT), Johns Hopkins, and many other leading institutions worldwide. He has advised policy bodies including Planning Commission, Knowledge Commission, NITI Aayog, the State and Central Government Ministries of Ayush, Health and Education and several departments and research councils including Council for Scientific and Industrial Research, Indian Council of Medical Research, Central Council for Research in Ayurvedic Sciences, Department of Science and Technology, Department of Biotechnology.

He has a played key role in studying and promoting innovative concepts including AyuSoft, Ayurgenomics, Systems Ayurveda, Reverse Pharmacology, Ayurvedic Biology, Network Pharmacology

and Therapeutic Adjuvants that have reshaped the interface of Ayurveda with modern science. His research on medicinal plants, particularly Ashwagandha (Withania somnifera), Guduchi (Tinospora cordifolia) and Shatavari (Asparagus racemosus) has strengthened the scientific basis. He has been honoured with the Sardar Vallabhbhai Patel Award, National Research Professorship, Waldemar Haffkine Oration, Sir Ram Nath Chopra Oration, and numerous other awards and fellowships. Ranked among the world's top cited biomedical scientists, he has 200+ peer-reviewed publications with h-index of 64 and over 17,600+ citations. He holds 8 Indian and 2 US patents and has guided 20 doctoral scholars.

He is the author of several acclaimed books, including *Genome to Om: Evolving Journey of Modern Science to Metascience (BluOne Ink)*, *Integrative Approaches for Health* (Academic Press, Elsevier), From Vision to Reality: Inspiring stories of University Founders (BluOne Ink); and two in Knowledge from Kids series - *Ayurveda for Kids*, and *Yoga for Kids* dedicated to promoting health and wellbeing from an early age by introducing ancient healing traditions to younger generations. He is Founder Editor-in-Chief of the *Journal of Ayurveda and Integrative Medicine,* the field's leading open-access journal published by Elsevier, and serves on the editorial boards of several other leading scholarly journals worldwide.

His career reflects a rare integration of modern science and ancient wisdom, institutional leadership and a sustained commitment to placing Ayush systems at the heart of evidence-based healthcare.

CURRENT POSITIONS

Chancellor, *(May 2026-Present)*	*Deccan College PGRI-Deemed University Pune*
National Research Professor – Ayush *(Feb 2021-Feb 2026)*	*CCRAS, Ministry of Ayush, Government of India*
Distinguished Professor (Nov 2024 – Nov 2027)	*IIT Kharagpur, India*
Distinguished Professor (Jan 2022 – Jan 2027)	*Savitribai Phule Pune University (SPPU), Pune, India*
Adjunct Professor, (Jan 2023 – Jan 2027)	NICM, *Western Sydney University, Australia*

EDUCATION & QUALIFICATIONS

MSc (Biochemistry)	*Savitribai Phule Pune University, India*
PhD (Biochemistry, Pharmacology)	*Savitribai Phule Pune University, India*
D.Litt. (*Honoris Causa*)	Trans-Disciplinary University, Bengaluru
Elected Fellow	National Academy of Sciences, India (FNASc)
Elected Fellow	National Academy of Medical Sciences (FAMS)
Elected Fellow	Maharashtra Academy of Sciences (FMASc)

RESEARCH EXPERTISE & INNOVATIVE FRAMEWORKS

Professor Patwardhan has pioneered several internationally recognised research paradigms:

- AyuSoft and Ayugenomics – Integrating Ayurvedic Prakriti (constitution) classification with genomic science to identify biomarkers for personalised medicine
- Systems Ayurveda – Application of systems biology approaches to understanding Ayurvedic principles at molecular and network levels
- Reverse Pharmacology – A paradigm for rapid drug discovery from traditional medicine, validated through clinical observations before laboratory investigation
- Network Pharmacology – Computational modelling of multi-target, multi-component interactions of traditional medicinal formulations
- Therapeutic Adjuvants – For countering side effects of chemotherapeutic drugs

His extensive investigations on medicinal plants — particularly *Ashwagandha (Withania somnifera)*, *Guduchi (Tinospora cordifolia)*, and *Shatavari (Asparagus racemosus)* — have elucidated their therapeutic potential in immunity, inflammation, and chronic disease.

ACADEMIC & RESEARCH METRICS

200+ Publications	64 Google Scholar h-Index	17,600+ Total Citations	304,800+ ResearchGate Reads

Patents — *8 Indian patents | 2 US patents*
PhD Scholars Supervised — *20+ completed*
Research Grants — *Numerous research grants from national and international agencies*

POLICY, GOVERNANCE & INSTITUTIONAL LEADERSHIP(Representative)

National Bodies – India
Current:

Chairman — *Scientific Advisory Committee, ICMR-National Institute of Traditional Medicine*
Chairman — *Scientific Advisory Committee, DBT-Institute of Bioresources and Sustainable Development*
Member — *Research Advisory Board, Biotechnology Research and Innovation Council*

Former:

Vice Chairman — *University Grants Commission (UGC), India*
Chairman — *National Assessment and Accreditation Council (NAAC), India*
Chairman (in charge) — *Indian Council of Social Science Research (ICSSR), India*
Chairman — *UGC-CARE Consortium for Academic Research Ethics*
Contributor — *National Knowledge Commission, Planning Commission India*
Co-chair — *Committee for Integrative Health Policy for India, NITI Aayog, Government of India*
Chairman — *Task Force for Integrative Medicine National Academy of Medical Sciences (India)*
Vice Chancellor — *Symbiosis International University Pune*
Director — *Institute of Ayurveda and Integrative Medicine (I-AIM), Bengaluru*
Academic Head — *Manipal Education Group Bengaluru*

International Bodies

Member (Dec 2025-Present) — WHO STAG World Health Organization
Senior Advisor (2024-2025) — *World Health Organization (WHO), Geneva*
Co-Chair, WHO Expert Group (2023-2024) — *Global Centre for Traditional Medicine (GTMC)*
Member (2021-2025) — *Lancet Citizens Commission for India*

Key Policy Contribution: Played a role in shaping India's National Education Policy (NEP) 2020, introducing the innovative schemes of the UGC including its Quality Mandate, CARE, STRIDE, and ABC which has transformed credit mobility and multi-disciplinary education.

SELECTED PUBLICATIONS

Books (Representative)

- Patwardhan B, Mutalik G, Tillu G. Integrative Approaches for Health: Biomedical research, Ayurveda and Yoga, Academic Press Elsevier [Received global acclaim]
- Patwardhan B. and Ramchandani I. Genome to Om: Evolving Journey of Modern Science to Meta-science. [Bestseller book; received excellent reviews and highly acclaimed by critiques internationally]
- Ayurveda for Kids and Yoga for Kids [To create awareness about ancient healing systems in school children and young generation]

Landmark Journal Articles (Representative)

- Patel, V et al Patwardhan B. The Lancet Commission on a citizen-centred health system for India, *The Lancet*, 2026
- Patwardhan B, Chaturvedi S, et al. A global approach to safety assessment of medicinal plants. *Bulletin of the World Health Organization* 2025.
- Patwardhan B. Why India is striking back against predatory journals (Worldview). *Nature*, 2019.
- Rotti H, Bhatt M, Karangula H, ..., Patwardhan B. Determinants of Prakriti, the human constitution types of Indian traditional medicine and its correlation with contemporary science. *Journal of Translational Medicine*, 2014.
- Patwardhan B, Mashelkar RA. Traditional medicine-inspired approaches to drug discovery: can Ayurveda show the way forward? *Drug Discovery Today*, 2009.
- Patwardhan B, Vaidya ADB, Chorghade M. Ayurveda and natural products drug discovery. *Current Science*, 2004.

► *Total: 200+ peer-reviewed publications in international journals. Full list available on request or via Google Scholar.*

AWARDS & HONOURS(Representative)

- SASTRA Mahamana Award (2024) – For outstanding contributions to traditional knowledge and science
- Sardar Vallabhbhai Patel Award (2021)– For distinguished contribution to national service
- Sir Ram Nath Chopra Oration (2013), Indian Pharmacological Society – In recognition of outstanding research in medicinal plants
- Dr. Waldemar Mordecai Haffkine Oration Award (2014), Haffkine Institute, Mumbai – In recognition of significant contributions in biomedical research
- Ranked among World's Top 2% of Biomedical Scientists – Stanford University / Elsevier global ranking
- Pune Festival Award (2022), Pune Vyaspeeth – Innovative Contribution to Education and Research
- Dr. Rajammal P. Devadas Oration (2020), Avinashilingam University – Excellence in Health Sciences Research
- Prin. V.K. Joag Memorial Award for Best Teacher (2017), Savitribai Phule Pune University – Excellence in Teaching
- Harihar Mukerjee Award (2015), Society for Ethnopharmacology – Research in Ethnopharmacology
- Excellence in Ayurveda Research Award (2012), St. Laurent Institute, George Washington University

ACADEMIC INTEGRITY & RESEARCH ETHICS LEADERSHIP

Professor Patwardhan has been a leading national voice in combating predatory publishing and upholding research integrity. As Chair of the UGC-CARE Consortium for Academic Research Ethics, he led landmark reforms that established India's first credible national whitelist of research journals. His widely cited *Nature* Worldview article on predatory publishing influenced policy at the highest levels of Indian academia. Published Guidelines for Academic Research and Publishing (GARP) with UGC and Clarivate.

SELECTED EDITORIAL ROLES

- Founder Editor in Chief, Journal of Ayurveda and Integrative Medicine
- Editorial Board, Journal of Ethnopharmacology, JICM, CJIM, and several other scholarly journals
- Reviewer and advisor to multiple scholarly journals such as Nature, BMJ, Plos, JEP and funding bodies such as CSIR, DBT, ICMR, Wellcome, Tata Trust

EARLY CAREER INDUSTRY POSITIONS

Year	Title	Specialty	Institution
1992–1994	Research Scientist	Pharmaceutical R&D	BioVed Pharmaceuticals Inc., USA
1990–1992	LiTaka Research Scientist	Pharmaceutical R&D	LiTaka Pharmaceuticals Ltd, Pune
1986–1989	Manager, Research & Development	Pharmaceutical R&D	Eisen Pharmaceuticals Pvt Ltd, Pune

Year	Award / Oration	Awarding Body	Citation
2015	IASTAM – Gopaldas Parikh Award	Indian Association for Asian Traditional Medicine	Contributions to herbal drug research and development
2013	Dr P.M. Mehta Oration	Gujarat Ayurved University, Jamnagar	Scientific contributions
2013	University Foundation Oration	KLE University, Belgaum	Scientific and integrative medicine contributions
2011	Nutra India Award	CFTRI (CSIR), Nutraceutical Summit Mumbai	Outstanding contributions in nutraceutical research
2011	Dr P.K. Devi Oration Award	Kasturba Health Society	Scientific contributions
2011	Dewang Mehta Award	Management Association	Excellence in Education
2008	Dr C. Dwarkanath Oration	Dwarkanath Trust, Bangalore	Research on Ayurveda

1993	Conferred Fellowship	International Council of Ayurveda	Research in Ayurveda
1992	Parkhe Award	Maratha Chamber of Commerce and Industries, Pune	Industrial Merit Excellence
1983	Best Research Award	University of Pune	University Annual Research Seminar
1980	Prof. Arnikar Award	University of Pune	Best Presentation among graduate students

ACADEMIC APPOINTMENTS(Representative)

Year	Title / Role	Institution	Location
2024 – 2027	Distinguished Professor	IIT Kharagpur	India
2023–2024	Senior Consultant	Global Traditional Medicine Centre, WHO	Geneva
2023 – 2027	Adjunct Professor, NICM Health Research Institute	Western Sydney University	Australia
2022 – Present	Chairman, Taskforce on Traditional Medicine	National Academy of Medical Sciences (India)	New Delhi
2022 – Present	Chairman, Taskforce on Integrative Healthcare, Dept of Ayush	Government of Madhya Pradesh	Bhopal
2022 – Present	Chairman Executive Committee, NAAC	University Grants Commission	New Delhi
2022 – 2027	Distinguished Professor, ISHS	Savitribai Phule Pune University	Pune
2021 – 2026	National Research Professor – AYUSH	Ministry of AYUSH, Government of India	New Delhi
2021 – Present	Ayush Lead – WHO Joint Taskforce, GCTM	World Health Organization & Ministry of AYUSH	Geneva / New Delhi
2020 – 2021	Chairman i/c	Indian Council of Social Science Research (ICSSR)	New Delhi
2018 – 2021	Vice Chairman	University Grants Commission	New Delhi
2016 – 2018	Director, Centre for Complementary & Integrative Health	Savitribai Phule Pune University	Pune
2014	Visiting Professor	Indian Institute of Advanced Studies	Shimla
2014 – 2016	Honorary Director (Research)	International Longevity Center	Pune
2011 – 2016	Honorary Research Advisor	Institute of Ayurveda & Integrative Medicine	Bangalore
2011 – 2012	Vice Chancellor	Symbiosis International University	Pune
2010 – 2011	Director	Institute of Ayurveda and Integrative Medicine, FRLHT	Bangalore

2006 – 2009	Academic Advisor, Directorate of Distance Education	Sikkim Manipal University	
2005 – 2006	Chief of Academics	Manipal Academy of Higher Education	Bangalore
1996 – 2019	Professor	Interdisciplinary School of Health Sciences, University of Pune	Pune
1994 – 1996	Associate Professor	Interdisciplinary School of Health Sciences, University of Pune	Pune
1992 – 1993	Hon. Joint Director, Pharmacognosy Research	Indian Drugs Research Laboratory	Pune
1989 – 1993	Chairman	Interdisciplinary School of Ayurvedic Medicine, University of Pune	Pune

OTHER PROFESSIONAL POSITIONS(Representative)

Year	Position	Institution
2020	Co-Chair, Social Protection Group, UN Research Roadmap for COVID-19 Recovery	United Nations
2013 – 2016	Chairman, Academic Planning and Development Committee	NIPER, Mohali
2013	Project Advisor	Canara Bank School of Management Sciences, Bangalore University
2012 – 2016	Honorary Scientific Advisor	Centaur Pharmaceuticals Ltd
2012	Honorary Research Advisor	Institute for Transdisciplinary Research in Health Science & Technology, Bangalore
2008 – 2016	Member, Board of Trustees	Center for Developmental Studies and Activities, Pune
2008 – 2010	Member, Board of Management	DY Patil University, Pune
2004 – 2005	Hon Director and Member Governing Board	International Longevity Center, Pune
2003 – 2006	Member, Board of Management, three Deemed Universities (UGC Nominee)	University Grants Commission
1998 – 2004	Member, Board, International Office Agenda 21	Pune & Pimpri-Chinchwad Municipal Corporations and City of Bremen
1996 – 2001	Scientific Advisor	Bio Ved Pharmaceuticals Inc, San Jose, USA
1989 – 2016	Member, Board of Trustees and Governing Board	Indian Drug Research Association, Pune
1989 – 2016	Member, Board of Trustees	Science & Technology Park Society, University of Pune

COMMITTEE SERVICE (Representative)

Year	Committee / Role	Institution
2021	Member, Advisory Group, Ayurveda Academic Chair Program	NICM, Western Sydney University, Australia
2020	Member, National Board of Examination – Medical	NBE (Medical), New Delhi
2019	Member, SWAYAM Advisory Board	Ministry of Human Resource Development
2017	Member, UGC Standing Committee for Notification of Journals	University Grants Commission
2017	Chairman, Academic Journals Expert Committee	Savitribai Phule Pune University
2016	Member, Research Review Committee, CCRAS	Ministry of AYUSH, Government of India
2016	Member, Inter-Departmental Committee for identifying viable new systems of medicine	Ministry of Health and Family Welfare
2016	Member, Committee for National Policy on AYUSH	Ministry of AYUSH, Government of India
2016	Member, Committee to Review Functioning of Research Councils	Ministry of AYUSH, Government of India
2016	Member, Board of Studies, Pharmaceutical Sciences	All India Council for Technical Education
2016	Chairman, Board of Studies in Basic Medical Sciences and Health Sciences	Savitribai Phule Pune University
2015	Member, Research Advisory Council	Manipal University
2015	Expert Member, ICMR-DRDO Committee	Indian Council of Medical Research
2015	Chairman, Committee for Guidelines for Research Publications	Savitribai Phule Pune University
2014	Vice Chairman, Expert Group on Translational Research – Medicinal and Aromatic Plants	Department of Biotechnology, Government of India
2014	Chairman, Ad-hoc Board of Studies, Health Sciences	University of Pune
2013	Chairman, Ad-hoc Board of Studies in Genetics, Immunology, Biochemistry and Nutrition	Maharashtra University of Health Sciences, Nashik
2013	Expert Member, Working Group on Nutraceuticals	Food Safety and Standards Authority of India
2013	Member, Institutional Review Committee	Tata Institute of Social Sciences, Mumbai
2013	Member, Ayurveda Advisory Committee	Government of Madhya Pradesh
2013	Member, Scientific Advisory Committee	Nirma University, Ahmedabad
2012	Member, Advisory Board	Vanarai Trust, Pune
2011	Member, Research Council, National Botanical Research Institute	CSIR, Lucknow
2011	Chairman, Mission Group on Traditional Knowledge	Government of Karnataka
2010	Member, Research Advisory Committee, Regional Medical Research Center Belgaum	Indian Council of Medical Research
2010	Member, Inter-sectoral Innovation Council	Department of AYUSH, Government of India

2010	Leader, Indian Delegation, Indo-South Africa Bilateral Cooperation in S&T	Medical Research Council of South Africa
2009	Chairman, Research Monitoring Committee, Centre of Relevance and Excellence in Pharmacogenomics	TIFAC, Government of India
2009	Chairman, Endogenous Development Program (CAPTURED), Universities from Africa, Latin America and India	Dutch Ministry for Development Cooperation
2009	Member, International Council Research Committee AYUSH	Government of India
2008	Member, Subcommittee, Karnataka Knowledge Commission	Government of Karnataka
2006	Chairman, Working Group on Traditional Knowledge	National Knowledge Commission, Government of India
2006	Member, Research Advisory Committee	Jana Prabodhini Research Institute, Pune
2005	Member, Task Force, 11th Five Year Plan	Planning Commission, Government of India
2002	Member, Academic Advisory Board, NIPER	Government of India
2002	Co-Chair, Biotechnology Committee	Maratha Chamber of Commerce and Industries
2002	Chairman, Steering Committee, NMITLI – Arthritis Herbal Drug Development Group	Council for Scientific and Industrial Research
2000	Member, Task Force for Maharashtra Biotechnology Policy	Government of Maharashtra
1999	Member Organizing Committee, Local Organizing Secretary and Chief Coordinator	87th Indian Science Congress, Pune

CONTACT & FURTHER INFORMATION

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Full publication list, grant history, and CV annexures available upon request.