

Prof. Pradeep Nair PhD, FRAS, FRGS



Pradeep Nair is a Senior Professor and Director Research at Central University of Himachal Pradesh, India and is affiliated as a Senior Research Fellow in Earth System Governance Project, Department of Earth Sciences, Uppsala University, Sweden. He is affiliated as an Expert with Sabin Center for Climate Change Law, Columbia Climate School, Columbia University in the city of New York and is a Senior Fellow and Project Lead in Environmental Policy Lab of Indo Pacific Studies Center, Sydney, Australia for the priority impact area – human development and climate change – in the areas of expertise – climate change, capacity development, governance and science to policy.

He is contributing as a Scientist in the project “Healthy Watershed, Healthy Martinez: Evaluating Nature-based Solutions (NBS) for Watershed Climate Resilience in the Alhambra Creek Watershed, Martinez, California, United States” funded by American Geophysics Union (AGU). The project explores nature-based solutions to improve watershed climate resilience, addressing the ill-effects of urban stream syndrome by evaluating stream banks for signs of erosion, and analysing hill-slopes in the upper watershed for runoff mitigation.

Nair is a Co-Lead of Transformative Vision for Nitrogen sub-group of International Nitrogen Network (iN-Net) - a U.S. National Science Foundation-funded project directed by David Kanter (NYU, INI), devoted to stimulating path-breaking, policy-relevant research that can underpin national action plans to halve N waste by 2030. The project is in collaboration with a number of science and policy networks, including the UNEP Nitrogen Working Group, the Global Partnership on Nutrient Management and the Task Force on Reactive Nitrogen under the UNECE Convention on Long-range Trans-boundary Air Pollution. He is a member of the Ecological Forecasting Technical Working Group which provides recommendation to National Ecological Observatory Network (NEON), Boulder, United States.

A Future Earth Coasts Fellow at Future Earth, he is affiliated as an Expert with Safe Landing Climates Working Group on Water Resources of World Climate Research Program (WCRP),

UNESCO Policy Inclusive Lab, United Nations Climate Technology Centre and Network (CTCN), Climate Social Science Network at the Institute at Brown for Environment and Society (IBES), Brown University, USA. He is a member of Disaster Risk Reduction and Adaptation Working Group of Group on Earth Observations (GEO) and an Expert of European Cooperation in Science and Technology (COST) action working groups -CA 22122 [WG5], CA 21166 [WG4], CA 22162 [WG3].

His study focuses on advancing scientific understanding of climate change impacts, coastal ecosystems, sustainability science, and adaptation strategies through evidence-based regionally grounded policy engagement. Nair mainly works in close partnership with indigenous people, local communities, development agencies and practitioners for enhancing public knowledge about coastal sustainability, climate change, and ecosystem restoration through mitigation, adaptation, and nature-based solutions. His expertise in this area stems from his ability to work on the ground in meaningful ways with partners in government, industry, local communities and NGOs, to identify challenges, co-produce knowledge, empower marginalized groups, and increase transparency in decision-making and to connect that work to influence global policy, market and finance to advance work at scale. While working with intellectual groups and think-tanks he convenes regularly with diverse line-ministries and stakeholders to provide scientific input for policy research, global sustainability frameworks and environmental governance improvements.

He is an Expert of the United Nations Regular Process for Global Reporting and Assessment of the State of the Marine Environment and is on the Roster of Experts of United Nations Framework Convention on Climate Change (UNFCCC). He is a Global Outreach – Contributing Member of the American Society for Microbiology (ASM) and is a Global Assessor with the Royal Society of Tropical Medicine and Hygiene (RSTMH).

He is a Grant Reviewer Panelist for the Advancing Leadership Program (ALP) of the Belmont Forum hosted by the Inter-American Institute for Global Change Research, Clayton Panama, CanRenew Community Restoration Grant Program of Minnesota Office of Cannabis Management (OCM), United States, U.S. Department of Labor (DOL), Employment and Training Administration (ETA), UK Research and Innovation (UKRI) Future Leaders Fellowship Program, National Sea Grant Office, the National Oceanic and Atmospheric Administration (NOAA), US Department of Commerce. He is an External Reviewer in selecting research proposals for funding for Asia-Pacific Network for Global Change Research (APN)

Capacity Development Committee under the Scientific Capacity Development Programme (CAPaBLE).

He is a member of the Dissertation Award Committee of the Academic Council on the United Nations System for year 2026 and is in the Judging Panel of Next Generation Foresight Practitioners Fellowship Program 2025 and 2026 aims to accelerate the transformative potential of the next generation of change-makers using foresight as a key tool to envision inclusive and equitable futures globally.

Prof. Nair is an Associate Editor for the journals – International Health published by Royal Society of Tropical Medicine and Hygiene (RSTMH) and Oxford University Press, Frontiers in Medicine, Frontiers for Young Mind and Frontiers in Digital Health. He serves in the Editorial Board of the scientific journals BMC Public Health, European Journal of Clinical and Experimental Medicine (University of Rzeszow), Health Informatics (SAGE), Animal Research and One Health (Wiley), Communication Research and Practice (Taylor & Francis), Humanities and Social Science Communications (Nature), and CABI One Health Resources. He served two consecutive terms on the Editorial Board of the journals - Asia Pacific Media Educator and Pedagogy in Health Promotion (Sage).

He is a reviewer for the office of Science, UN Environment Programme (UNEP). He is one of reviewer for the Global Environment Outlook (GEO), Seventh Edition: *The Future We Choose* (2025). He reviews for British Medical Journal, Lancet Planetary Health, WHO Health Bulletin, Digital Health, Discover Health Systems, European Policy Review, Health and Technology, Pedagogy in Health Promotion, Journal of Health Management, Journal of Patient Experience, and Minerva Surgery. He has (co)authored over 70 scientific articles in leading journals and won several scientific awards for his work. He has co-edited a research section on Health Technologies and Innovations to effectively respond to the Covid-19 Pandemic and a Research Topic Collection – Highlights in Connected Health 2021/22 for Frontiers in Digital Health.

Research Topic Collections

[Health Technologies and Innovations to Effectively Respond to the COVID-19 Pandemic](#)

[Highlights in connected health 2021/22. Front](#)

[Social Media and Political Participation: Unpacking the Role of Social Media in Contemporary Politics](#)

Conversations

[The Climate and Health Nexus | The OECD Forum Network \(oecd-forum.org\)](#)

[Climate & Health | The OECD Forum Network \(oecd-forum.org\)](#)

[Healthcare in the Digital Age | The OECD Forum Network \(oecd-forum.org\)](#)

Selected Publications

Vaishnav DK, Raman AV, Bansal A, Nair P and Kharwar K (2026) Out-of-pocket expenditure on medicine for chronic patients and its economic impact on Indian households: a systematic review and meta-analysis. *Front. Med.* 13:1818895. doi: 10.3389/fmed.2026.1818895

Kharwar, K., Nair, P., Vaishnav, D.K., Bansal, A., & Amoss, L.D. (2026) Films as a Tool for Climate Education: A Quasi-Experimental Intervention amongst Middle School Children from the Indian Himalayan Region.

Australian Journal of Environmental Education, 1–26. <https://doi.org/10.1017/ae.2026.10187>

Nair, Pradeep, Navigating Data Governance in Digital Health: Balancing Privacy and Innovation in the Global South (April 15, 2026). Available at SSRN: <https://ssrn.com/abstract=7325358> or <http://dx.doi.org/10.2139/ssrn.7325358>

Nair, P., Vaishnav, D.K, Zoran Mastilo, Vesna Tunguz, Bureu Meltem Arik, Siobhan Airey & Lena Bloemertz. (2025) Voices of the Marginalized in the Climate Change Crises – Towards Equitable Climate Futures. FCSH Nova University Lisbon, Lisbon, Portugal – COST Action SHiFT CA21166, European Cooperation in Science and Technology. <https://doi.org/10.13140/RG.2.2.14984.69122>

Nair P, Eberwein T and Sparkes-Vian CS (2025) Editorial: Social media and political participation: unpacking the role of social media in contemporary politics.

Front. Sociol. 10:1658996. doi: 10.3389/fsoc.2025.1658996

Vaishnav, D.K., Raman, A.V. & Nair, P. (2024). A cohort study investigating the impact of communication intervention on purchase behavior of chronic patients towards online generic medicine alternatives. *Discov Public Health* **21**, 188. <https://doi.org/10.1186/s12982-024-00314-7>

Nair, P. (2023). Healthcare Systems Moving Toward Data Governance-Centered Model: India's G20 Presidency in the Wake of COVID. *Qeios* 5 (8), 1-4. doi:10.32388/5DUZSE.

Nair, P., Vaishnav, D., & Tandon, A. (2022). The Paradoxes of Climate Change Reporting: A study of landslide news stories published in Hindi language newspapers of Himachal Pradesh, India. *The Journal of Development Communication*, 33(2), 30-43. <https://jdc.journals.unisel.edu.my/ojs/index.php/jdc/article/view/231>

Nair P, Antoniou PE, Pino EJ and Fico G (2022) Editorial: Highlights in connected health 2021/22. *Front. Digit. Health* 4:1066860. doi: 10.3389/fdgth.2022.1066860

Schuller, B.W., Pham, P.N., Do, S. Pattichis, C.S. & Nair, P. Eds. (2022). Health Technologies and Innovations to Effectively Respond to the Covid-19 Pandemic. Lausanne: Frontiers Media SA. doi:10.3389/978-2-88974-639-2

Nair, P. (2022). Editorial: Health Technologies and Innovations to effectively respond to the Covid-19 Pandemic. *Frontiers in Digital Health* 4: 849652 doi: 10.3389/fdgth.2022.849652

Nair, P., & Vaishnav, D. K. (2021). Media Use and Well-being: Understanding the Interplay in the Context of Tibetan Youth in India Amid COVID-19 Crisis. *Asia Pacific Media Educator*. <https://doi.org/10.1177/1326365X211002365> (SAGE)

Nair, P. (2019). The Emerging Concept of an Inclusive mHealth Ecosystem in India. In C. Albuquerque (Ed.), *Emerging Trends and Innovations in Privacy and Health Information Management* (pp. 116-141). Hershey, PA: IGI Global. doi:10.4018/978-1-5225-8470-4.ch005

Nair, Pradeep & Harikrishnan, B. (2015). The Emerging Interface of Healthcare System and Mobile Communication Technologies. *Health and Technology*, 4 (4): 337-343. DOI 10.1007/s12553-014-0091-x (Springer and IUPESM).

Nair, Pradeep. (2014). ICT based Health Governance: The Indian Experience. *Journal of Health Management*, 13 (1), 25-40. DOI 10.1177/0972063413518678 (SAGE).