

Dr. Mudlappa Jayananda, Recipient of JC Bose National Fellowship

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Dr. M. Jayananda, Senior Professor and Head of Centre for Earth, Ocean and Atmospheric Sciences, University of Hyderabad, has been awarded the prestigious J C Bose National Fellowship in recognition of his outstanding contributions to solid Earth Sciences. The Fellowship is scientist-specific and very selective and awarded to scientists who have received the SS Bhatnagar Prize or other such prestigious awards or Fellowships of National Science Academies.

Prof. Jayananda's research centres around the early history of the Earth with a focus on the preserved large crustal panel in the Dharwar Craton, addressing the thermal, mechanical and petrogenetic processes involved in origin of the early crust, and its transformation into stable continental landmass. To understand these processes Dr. Jayananda



has used novel multidisciplinary approach involving field-based tectonic fabric analysis, U-Pb zircon geochronology coupled with in-situ Hf isotopes, whole rock elemental and Nd-Sr isotopes on greenstone volcanics and adjacent granitoids. His research has profound global impact in understanding the thermomechanical

processes involved in building of habitable continents, mantle evolution, evolving tectonics of the early earth, and formation of strategic mineral resources. In recent years he has worked on Cenozoic surface dynamics in the Western Ghats which contribute to understanding of landscape evolution and timing of topographic built-up along passive continental margins and their link to development of drainage patterns.

Dr. Jayananda has contributed to academics in teaching, mentoring graduate students, Ph.D, Post-docs, and public outreach. He has published highly cited research articles in peer-reviewed scholarly high-impact journals, and assembled and edited a special issue of an Elsevier Journal. Prof. Jayananda has also organized International/National conferences and field workshops and contributed to promotion of science by serving as Editor-in-Chief of the IUGS flagship journal 'Episodes' (2009-2012), Editor-in-Chief of the Himalayan Geology (2017-), Associate Editor of Journal of Earth System Science, Regional Editor of Gondwana Research, Editorial board member of the Journal of Geological Society of India (2010-2018), Precambrian Research and Jour. Asian Earth Sciences. He has participated as a mentor in the Government of India's flagship science program of Inspire Camps for high school students by delivering lectures. Prof. Jayananda has also worked in European, Japanese and Taiwanese laboratories under prestigious Fellowships and as an Invited Professor. In view of these outstanding contributions to research, academics, mentoring of students, capacity building and promotion of science through editing/reviewing journals he has been conferred several awards and elected to the Fellowship of all the three National Science Academies of India and now, the J.C Bose National Fellowship. Let us congratulate Prof.M. Jayananda.