

Rattan Lal

Associate Professor, Soil Science | Environment and Natural Resources at The Ohio State University
Columbus, OH, US

Rattan Lal is a Professor of Soil Physics in the School of Environment and Natural Resources at The Ohio State University .

Biography

Rattan Lal is a professor of soil physics in the School of Environment and Natural Resources, and Director of the Carbon Management and Sequestration Center, FAES/OARDC at The Ohio State University (OSU).

From 1968 to 1969 he was Senior Research Fellow at the University of Sydney and soil scientist at the International Institute of Tropical Agriculture (IITA) in Ibadan, Nigeria from 1970 to 1987. In 1987 he joined the faculty at OSU.

He is recipient of an honorary degree of Doctor of Science from Punjab Agricultural University, India and of the Norwegian University of life Sciences in Aas, Norway. He is past president of the World Association of the Soil and Water Conservation (1987-1990), the International Soil Tillage Research Organization (1988-1991), and the Soil Science Society of America (2005-2008). He is a member of the U.S. National Committee on Soil Science of the National Academy of Sciences (1998-2002) and (2007-to date) and lead author of IPCC (1998-2000) which earned him the Nobel Peace Prize Certificate. He has served on the Panel on Sustainable Agriculture and the Environment in the Humid Tropics of the National Academy of Sciences, and has also been a consultant to FAO, World Bank, UNEP, GEF, UNDP, USAID and many other international organizations. He was Scientific Liaison Officer of USAID for the CGIAR system from 1990 to 1995, and member of the review team of all CRSPs in 1994.

He has mentored 106 graduate students and 54 postdoctoral researchers. He has hosted about 156 short term trainees/visiting scholars from India. He has authored and co-authored about 2,110 research publications, has written 19 books and edited or co-edited 65 books.

He earned B.Sc from Punjab Agric. University, his M.Sc from IARI and Ph.D from OSU.

Industry Expertise

Research, Education/Learning

Areas of Expertise

Soil Science, Environment, Natural Resources

Affiliations

President, International Union of Soil Scientists, AAAS : Fellow, Soil Science Society of America : Fellow, American Society of Agronomy : Fellow, World Academy of Sciences : Fellow, American Geophysical Union, Soil and Water Conservation Society, World Association of Soil and Water Conservation, Society for Promotion of Wasteland Development in India, International Soil and Tillage Research Organization, International Union of Soil Science

Education

Ohio State University

Ph.D. Agronomy

Indian Agricultural Research Institute

M.Sc. Soils

Punjab Agricultural University

B. Sc. Agriculture

Accomplishments

Atlas Award

Best Paper Among 1,800 Journals, Elsevier Science (2016)

USDA-NIFA Partnership Award

Multistate Effort (2016)

Hugh Hammond Bennett Award

Soil Water Conservation Society

Liebig Award

International Union of Soil Science (2006)

Borlaug Award

(2005)

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