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Dr. Kushwaha is a Professor Emeritus in the Department of Agricultural and Bioresource Engineering, University of Saskatchewan, Saskatoon, Saskatchewan, Canada, and has been there since 1974 in various capacities in research and teaching. His main field of specialization is in Agricultural Engineering – Power and Machinery.

Dr. Kushwaha primary research areas include agricultural machinery systems; tillage & traction; terramechanics; energy and alternate energy sources, tribology, neutralization of antipersonnel land mines and biomass and bioenergy. His current research effort extends to the biomedical applications of biomaterials for replacement of human limbs and joints. Dr. Kushwaha has authored and co-authored over 150 refereed journal articles and proceedings within his research areas. One of his major achievements has been co-authoring of the book *Soil-Machine Interactions: A Finite Element Perspective*, published by Marcel Dekker, Inc. in 1998. He has been involved in editing a number of conference proceedings, technical reports and presentations.

Before joining the University of Saskatchewan, Dr Kushwaha worked in Quality Control in the Automotives parts division at Bundy of Canada in Guelph, ON Canada. Previous to that position, Dr. Kushwaha held posts such as Research Assistant/Lecturer at the Allahabad Agricultural Institute, Associate in Agricultural Engineering at the Ford Foundation in New Delhi and Associate Professor at the Indian Agricultural Research Institute also in New Delhi, India. Dr. Kushwaha has been an external examiner for the Agricultural (Biosystems) Engineering Programme for the Department of Mechanical and Manufacturing Engineering at the University of the West Indies since 2004.

Dr. Kushwaha is a Registered Professional Engineer in Saskatchewan and Life member of ASBAE, CSBE, ISAE, AAAE, and member of STLE, ISTVS, and SAE International. He has served as executive council member, president, treasurer and chair of many professional organizations; he is even a founding member of CSBE. Dr. Kushwaha has received over 20 honors and awards; the most recent being the prestigious international award of India; the Bharat Gaurav Award in 2010 and the Prime of Life Achievement Award from the University of Saskatchewan in 2011.

Dr. Kushwaha received his Bachelor of Science in Agricultural Engineering (B.S.A.E.) from the Allahabad University in India. He then went on to the University of Toronto (Ontario Agricultural College) in Canada where he received his Master of Science Degree. In 1967 he earned his Doctorate of Philosophy (Ph.D.) at the University of Saskatchewan in the area of power and machinery; this was the first Ph.D. in Agricultural Engineering in Canada.