



Chandra A. Madramootoo, PE

Chandra A. Madramootoo, PE, ASABE Fellow, is the recipient of the 2024 Kishida International award for significant contributions to soil and water engineering, and water and food security in the Caribbean, Central and South Asia, Middle-East and Sub-Saharan Africa.

Madramootoo is a distinguished James McGill professor in the bioresource engineering department at McGill University. His responsibilities include research and teaching in the areas of irrigation and drainage engineering, international agricultural development, development of crop water requirement technologies, and impacts of water management practices on greenhouse gas emissions. He also mentors graduate and undergraduate students, contributes actively to professional societies, and provides service to national and international communities.

Madramootoo has made outstanding contributions to water resources management in several countries. Through his work with the International Crops Research Institute for the Semi-Arid Tropics, he has collaborated with researchers and governments in Africa and India. He has conducted research on the development of water management technologies, and improvements to irrigation schemes to increase the productivity of smallholder farms. As president of the international commission on irrigation and drainage, Madramootoo worked with ministers of irrigation and government policy makers in 66 countries to advance policy reforms making the irrigation sector more environmentally sustainable. Working with the Canadian International Development Agency (CIDA),

Madramootoo was among the first water specialists to be involved with the water resources of Central Asia after the collapse of the Soviet Union. He made significant contributions to the Syr Darya and Amu Darya River Basin Organizations in Kazakhstan. Also, with CIDA support, Madramootoo contributed to the reclamation of 220,000 acres of salt affected lands of the South El Husseinia Plain in the North-Eastern Nile Delta of Egypt.

A 47-year ASABE member, Madramootoo has been involved in the E-2050 Committee for Global Engagement. Madramootoo was inducted as a Fellow of ASABE in 2006. He is also a fellow of the Canadian Academy of Engineering, the Engineering Institute of Canada, and the Canada Society for Bioengineering.

Madramootoo has provided leadership at some of the highest levels in international water, and research and development organizations. These include vice chair of the Board of Governors of the International Development Research Centre of Canada, chair of the Board of Governors International Crops Research Institute for the Semi-Arid Tropics, and President of the International Commission on Irrigation and Drainage. He has authored or coauthored over 260 refereed journals and supervised the research of over 115 MS and PhD students.