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Researcher Carol Eddy-Dilek Receives Laboratory Fellow Honor

AIKEN, S.C. (Aug. 3, 2023) – Savannah River National Laboratory (SRNL) researcher Carol Eddy-Dilek received the honor of laboratory fellow for her outstanding contributions to her area of expertise, SRNL and the nation.



As a senior technical adviser in the Environmental and Legacy Management Directorate of SRNL, Eddy-Dilek contributed significantly to SRNL, the Savannah River Site (SRS), and the Department of Energy (DOE) missions since joining SRNL in 1989. She successfully applied her knowledge of geology and environmental sciences and her program management skills to advance SRNL's competencies in environmental characterization and remediation. Her responsibilities included leading and supporting high-quality applied technology development research, as well as strategies to support high-priority needs for the DOE – Office of Environmental Management (EM) and Office of Legacy Management (LM).

Appointment to the position of fellow is the highest scientific/engineering achievement within SRNL and is granted by the laboratory director upon the recommendation of the Fellow Committee and Review Panel.

“I am proud of Carol for her numerous accomplishments,” said Laboratory Director Vahid Majidi. “Over the past three decades, she has produced technology resulting in significant cost savings to the DOE’s soil and groundwater remediation programs. She is an emminent expert and a trusted adviser, as well as a respected mentor to the next generation of scientists and engineers advancing remediation and long-term monitoring strategies. Carol is well deserving of the title of fellow.”

Eddy-Dilek was a classic geologist when she first came to SRNL to oversee the completion of the SRS geologic map and never imagined having the opportunity to work on a such a wide diversity of complex and challenging groundwater and soil contamination problems. “SRNL defines the concept of putting science to work,” says Eddy-Dilek. “We have provided actionable solutions to difficult problems at many federal sites contaminated with a variety of radionuclides, mercury and volatile organic compounds using applied geological, hydrologic, geophysical and geochemical tools. It has been incredibly challenging and rewarding at the same time.”

Over the last two decades, Eddy-Dilek managed over 50 national technical assistance team evaluations of high-priority issues related to environmental restoration in concert with researchers across SRNL to focus on timely project delivery and cost savings for DOE-EM. Additionally, she and her teams developed new

initiatives within the federal complex, including the Department of Defense, EPA, DOE-LM, International Programs and DOE-EM field sites, including Portsmouth, Paducah, Los Alamos, Oak Ridge and Richland. More recently, Eddy-Dilek and scientists at Lawrence Berkeley National Laboratory (LBNL) worked collaboratively to develop new cost effective strategies for long-term monitoring, incorporating geophysical and Artificial Intelligence (AI) tools that utilize each laboratory's unique competencies and innovative technologies. Additionally, she led the development of a new paradigm of long-term monitoring that DOE-EM can implement across its complex and extended to DOE-LM sites to improve the quality of monitoring and reduce costs. This multi-million dollar project has been mentioned multiple times during testimony to the U.S. Congress and has immense potential benefit to SRNL and other sites.

Savannah River National Laboratory is a United States Department of Energy multi-program research and development center that's managed and operated by Battelle Savannah River Alliance, LLC ([BSRA](#)) for the Department of Energy's Office of Environmental Management. SRNL puts science to work to protect the nation by providing practical, cost-effective solutions to the nation's environmental, nuclear security, nuclear materials management, and energy manufacturing challenges (<https://srnl.doe.gov/>).

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