



NJIT™

New Jersey's Science &
Technology University

QUENCHING THE WORLD'S THIRST:

Environmental Advances at the Edge at NJIT

- **Kamalesh K. Sirkar** leads NJIT's response to the global challenge of declining supplies of drinkable water by developing membrane separation technologies to purify sea and brackish water. His work, funded in part by grants from the U.S. Department of the Interior and the Office of Naval Research, was featured in the August 2006 issue of *Science*.
- Other NJIT initiatives to secure safe water resources:
 - **Taha F. Marhaba** leads the New Jersey Applied Water Research Center's research to assure that regional water supplies are safe from bio-terrorist attacks.
 - **Zeyuan Qiu** is developing modeling techniques, funded in part by a grant from the USEPA, to strengthen preservation of hydrologically sensitive areas and identify policy implications for watershed management.
 - **Jay Meegoda** is collaborating with American University in Egypt to develop mathematical and experimental simulations for cost effective and sustainable solutions to wastewater problems.

Read the *Science* article about Prof. Sirkar at magazine.njit.edu
or learn more about NJIT's research in environmental engineering at civil.njit.edu/



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