The Jordan Journal of Earth and Environmental Sciences (JJEES)

JJEES is an international peer-reviewed research journal, issued by the Deanship of Academic Research and Graduate Studies, the Hashemite University, in corporation with, the Jordanian Scientific Research Support Fund, the Ministry of Higher Education and Scientific Research.

EDITORIAL BOARD

Editor-in-Chief
Professor Abdul Rahim A. Hamdan
The Hashemite University

Editorial board
− Professor Abdulkader M. Abed
  University of Jordan
− Professor Hani N. Khoury
  University of Jordan
− Professor Zuhair H. El-Isa
  University of Jordan
− Professor Sameh Gharaibeh
  Yarmouk University
− Professor Ahmad Abu Hilal
  Yarmouk University
− Professor Issa Makhfouf
  The Hashemite University
− Professor Tayel M. El-Hasan
  Mu'tah University

THE INTERNATIONAL ADVISORY BOARD

− Prof. Sayed Abdul Rahman,
  Cairo University, Egypt.
− Prof. Abdullah Al-Amri,
  King Saud University, Saudi Arabia.
− Prof. Waleed Al-Zubair,
  Arabian Gulf University, Bahrain.
− Prof. Ute Austermann-Haun,
  Fachhochschule Lippe und Hoexter, Germany.
− Prof. Ibrahim Banat,
  University of Ulster, UK.
− Prof. Matthias Barjenbruch,
  Technisch Universität Berlin, Germany.
− Prof. Mohamed Boukhary,
  Ain Shams University, Egypt.
− Prof. Mohammad El-Sharkawy,
  Cairo University, Egypt.
− Prof. Venugopalan Ittekkot.
  Center for Tropical Marine Ecology, Bremen, Germany.
− Prof. Christopher Kendall,
  University of North Carolina, U.S.A.
− Prof. Elias Salameh,
  University of Jordan, Jordan.
− Prof. V. Subramanian,
  Jawaharlal Nehru University, India.
− Prof. Omar Rimawy,
  University of Jordan, Jordan.
− Prof. Hakam Mustafa,
  Yarmouk University, Jordan.
− Dr. Michael Crosby,
  The National Science Board, National Science Foundation, Virginia, U.S.A.
− Dr. Brian Turner,
  Durham University, U.K.
− Dr. Friedhelm Krupp,
  Senckenberg Research Institute and Natural History Museum, Germany.
− Dr. Richard Lim,
  University of Technology, Australia.

EDITORIAL BOARD SUPPORT TEAM

Language Editor Publishing Layout
Dr. Qusai Al-Debyan MCPD. Osama AlShareet

SUBMISSION ADDRESS:
Professor Abdul Rahim A. Hamdan
Deanship of Academic Research and Higher Studies
Hashemite University, P.O. Box 330127, Postal Code 13133, Zarqa, Jordan.

Phone: +962-5-3903333 ext. 4151
E-Mail: jjees@hu.edu.jo, hamdan@hu.edu.jo