



The 2<sup>nd</sup> International Conference on Integrated Natural Disaster Management (ICINDM-2022) at  
Jordan  
July (20-22), 2022

---

## I. CONFERENCE INTRODUCTION

Disasters continue to occur more frequently and with more devastating effects in rich and poor countries. Smaller-scale disasters, which are often cyclical and include droughts, floods and extreme temperatures, are also increasing. Small but recurrent disasters often cause more cumulative negative effects than larger disasters, but they receive less international attention and fewer resources. Disasters are not only increasing in number; they are becoming more multifaceted. The effects of climate change, environmental degradation, economic inequality, population growth, political unrest and migration have weakened community resilience in many countries.

Jordan's natural hazards profile is characterized by seismic activity, flash flooding, drought and desertification. In view of the range of natural hazards, high vulnerability and low coping capacities of the population, Jordan requires an integrated approach to disaster risk management and reduction. The vulnerability of the Jordanian society and economy to natural hazards and climate change induced disasters owe to the limited proactive approach to disaster prevention and mitigation, insufficient institutional capacities at the national and local levels, lack of trained human resources, lack of awareness amongst senior officials and communities about disaster preparedness, and unsatisfactory implementation of existing policies. Jordan as many other countries, still concentrate their efforts mainly on the response stage of disasters, this could be ascribed to the great involvement of the military and para-military organizations in managing the disaster. The new paradigm of the disaster risk management is moving from reactive to proactive approach i.e. deal with equal efforts before (monitoring, mitigation, prevention and reduction), during (response) and after (rehabilitation and evaluation).

Selected papers presented at this conference will be considered for publication in international peer-reviewed journals.

## II. CONFERENCE THEMES

### - Natural disasters

- ✓ Disasters associated with climate change
- ✓ Early Warning Systems for Disaster Management.
- ✓ Energy, water, food, and poverty nexus in the face of climate uncertainty.
- ✓ Water resource management.
- ✓ Water security and environment.
- ✓ Modeling environmental change.
- ✓ Financing in water resource management.
- ✓ Na-Techs and natural hazard threats to critical infrastructure.
- ✓ Multifaceted disaster and cascading disasters
- ✓ The development of disaster risk reduction strategies and techniques
- ✓ Discussion and development of effective warning and educational systems for risk management at all levels
- ✓ Vulnerability analysis and vulnerability trends
- ✓ Emerging risks
- ✓ Resilience against disasters

### - Refugees and Displaced

- ✓ How to cope with refugees and displaced persons in disasters
- ✓ Monitoring and managing long-term impacts of disaster and possible measures of protracted displacements.
- ✓ Risk management of Heritage sites.
- ✓ Disaster restoration, revitalization, and re-growth and construction.

### - Biological Hazards

- ✓ Effective financial mechanisms to limit the Disaster Risk.
- ✓ COVID-19 Epidemiology, impact and responses
- ✓ Personal protective equipment
- ✓ Microbiological risk assessment
- ✓ Digitalization in health
- ✓ Fast COVID-19 Pandemic Response

## III. IMPORTANT DATES:

- ✓ *Deadline for Abstract Submission*
- ✓ *Notification of Abstract Acceptance*
- ✓ *Deadline for Full-paper Submission*
- ✓ *Notification of Paper Acceptance*
- ✓ *Camera Ready Version Submission*
- ✓ *Conference Dates*

## V. ADVISORY COMMITTEE:

- ✓ Prof. Hani Aldmour, AABU President
- ✓ Prof. Anthony J Ryan, The University of Sheffield
- ✓ Prof. Bassam Al-Mahasneh, AABU
- ✓ Prof. Osama Nusair, JUST
- ✓ Prof. Moayyad Shawaqfah ,AABU
- ✓ Dr. Saud Quran, Expert
- ✓ Prof. Kamel Al-Zboon, BAU
- ✓ Prof. Moansour Matarneh, UoJ

## VI. ORGANIZING COMMITTEE:

- ✓ Chairman: Prof. Moayyad Shawaqfah ,AABU
- ✓ Co-Chairman: Prof. Fares Al-Momani, Qatar University
- ✓ Co-Chairman: Dr. Soud Quran
- ✓ Vice-Chairman: Dr. Rami Shawabkah, AABU
- ✓ Vice-Chairman: Dr. Ali Nouh, AABU
- ✓ Prof. Saif Shebeel, AABU
- ✓ Dr. Reem Al-Zoubi, AABU
- ✓ Dr. Mohanad Masad, AABU
- ✓ Prof. Mohammad Al-Farjat, Al Hussein bin Talal University
- ✓ Dr. Omar Al-Zoubi, AABU
- ✓ Dr. Mohammad Al-Hadab, AABU
- ✓ Dr. Deaa Aldeen AlSreheen , AABU
- ✓ Dr. Thefallah Olimat, AABU
- ✓ Eng. Duha Olimat, AABU
- ✓ Eng. Mohammad Malkawi, AABU
- ✓ Eng. Mahmoud Obidat, Yarmouk Company
- ✓ Mr. Ahmad Adamat, AABU
- ✓ Mrs. Ghadah Shawaqfeh, AABU

## VII. SCIENTIFIC COMMITTEE

- ✓ Prof. Tom Boving, URI, USA
- ✓ Prof. Anwer Jerius, Mutah University
- ✓ Prof. Ahmad Al-Salymeh, UoJ
- ✓ Prof. Rebhi Damseh, BAU
- ✓ Prof. Fares Al-Momani , Qatar University, Qatar
- ✓ Prof. Messaoud DJEDDOU, Algeria
- ✓ Prof. Fayez Abdullah, JUST
- ✓ Prof. Ziad Al-Ghazawi, JUST
- ✓ Prof. Ahmad Al-Bdour, HU
- ✓ Prof. Reyad Al Deweri, TU
- ✓ Prof. Amer Alomary, AABU
- ✓ Prof. Eid Al-Tarazi, HU
- ✓ Prof. Hani Alamoush, AABU

- ✓ Prof.Dr.Zainab Bahaa Mohammed, University of technology, Iraq
- ✓ Prof. Sura Al-Harashseh, AABU
- ✓ Dr. Mohammad Shawaqfeh, King Saud Bin Abdulaziz University for Health Sciences, KSA
- ✓ Dr. Ahmad Khatatbeh, AABU
- ✓ Dr. Saad Alayyash, AABU
- ✓ Dr. Randa Al-Hatamleh , YU
- ✓ Dr. Zain Alhawari, AABU
- ✓ Dr. Majed Al-Harashseh, AABU
- ✓ Dr. Akef Alfuqara , AABU
- ✓ Dr. Atef Al-Mashaqbeh, AABU
- ✓ Dr. Mohammad Al-Shra'ah, AABU
- ✓ Dr. Najah Al-Shanableh, AABU
- ✓ Dr. Mohamman Najeeb. TU
- ✓ Dr. Amjad Shatnawi, AABU
- ✓ Dr. Mohanad Massad, AABU
- ✓ Dr. Aya Musmar, PU
- ✓ Eng. Nooraldeen AlFarajat, Aqaba Development Company

---

### VIII. CONFERENCE FEES AND REGISTRATION

- 300 (USD) for Early Registration (before 1/7/2022)
- 350 (USD) for Late Registration
- 50 (USD) for Student

---

### VIII. FOR MORE INFORMATION PLEASE CONTACT

Prof. Moayyad Shawaqfeh  
 The Chairman of the organization Committee  
 President Assistant for Crises Management  
 P.O. Box 130040  
 Al Mafrag 25113, Jordan  
 Phone:+962-2-6207000 ext. 6110  
 Mobile: +962 79 6666 277  
 e-mail: [DCM\\_Center@aabu.edu.jo](mailto:DCM_Center@aabu.edu.jo)  
 web: <https://www.aabu.edu.jo/en/Centers/ICINDN/Pages/default.aspx>