

1. **Name**        **Dia-Eddin Arafah**

2. **Education**

- Ph.D., Solid State, The University of Sussex, Brighton, UK, 1985.
- M.Sc., Nuclear Physics, The University of Jordan, Amman, Jordan, 1978.
- B.Sc., Physics, The University of Jordan, Amman, Jordan, 1976.

3. **Academic experience**

- The University of Jordan, Professor, 1998, full time
- The University of Jordan, Associate Professor, 1990-1998, full time
- The University of Jordan, 1985, Assistant Professor, 1985-1990, full time
- President of “Al Al-Bayt University”, Sep. 2014 – Sep. 2018.
- Al-Zaytoonah Private University of Jordan, Vice President, Sep. 2012-2013,
- The Middle East University, Vice President for Academic Affairs, July 2011- August 2012.
- The University of Jordan, Vice President for Scientific Faculties, and Institutes, 2008- 2010.
- The University of Jordan, Vice President for Development, Planning and Quality, August 2007-2008.
- The University of Jordan, Dean of Academic Research, August 2005/August 2007.
- The University of Jordan, Dean Faculty of Science, Jan. 2005/Aug. 2005.
- The University of Jordan, Chairman of the Department of Physics Sep. 2003/August 2005.

4. **Non-academic experience** (if any, otherwise write “None”)

- Member of Higher Education Council, Ministry of Higher Education and Scientific Research, March 2012 – Sep. 2014.
- **Secretary General** of the Higher Council for Science and Technology (**HCST**), The Hashemite Kingdom of Jordan, Feb. 4, 2020 – Feb. 3, 2022.
- Co-chair of the **Newton-Khaldi Fund** on “Leaders in Innovation Fellowship”, **LIF** program, in cooperation with the **British Royal Academy of Engineering**, Feb. 2020-2022.
- **CHAIR**, of The Inter-Islamic Network on Water Resources Development and Management (**INWRDAM**); an inter-governmental, autonomous organization operating under the umbrella of the Standing Committee on Scientific and Technological Cooperation (**COMSTECH**) of the Organization of the Islamic Cooperation (OIC), Feb. 2020-2022.
- Co-**CHAIR**, of the **Union for the Mediterranean (UfM)**, with the Director for International Cooperation (DG-RTD), the European Commission. Feb. 2020-2022.
- Member of the **Higher Steering Committee**; Technical committees formed by the Prime Minister of Jordan to increase economic resilience and focus on applied scientific research. (15/4/2020).
- Member of the **Executive Council of the Association of Arab Universities**, Feb. 2018-Sep. 2018.

5. **Certifications or professional registrations**

- Member of Accreditation and Quality Assurance Commission for Higher Education Institutions Council, **HEAC**, HJK, Jordan, July 7, 2019 – June 2023.
- Member of State on "The Partnership on Research and Innovation in the Mediterranean Area, (**PRIMA**)"; a ten-year initiative (2018-2028), partly funded by EU's research and innovation programme Horizon 2020, on the development of **Needed Solutions for a more Sustainable Management of Water and Agri-food Systems in the Mediterranean Basin**, Feb. 2020-2022.
- **President** of the *fortieth* session of the Union of Arab Scientific Research Councils and member of State of the Hashemite Kingdom of Jordan in the Union, Feb. 4, 2020 – Feb. 3, 2022.
- **Member of the Higher Steering Committee** /Technical committee to increase economic resilience and focus on applied scientific research. (15/4/2020).
- **President of “Board of Directors”, Jordanian Universities Network, JUNET**, 2018.
- Technical Committee for **ARASIA** Projects; IAEA, National Coordinator, 2016-2023

- Chair and coordinator of several international Academic programmes and projects, e.g. EGREEN, PADEILIA, SPARK, and HOPES, during the period between Sep. 2014-2018.
- 6. Current membership in professional organizations**
- Non-Destructive Testing (NDT); American Physical Society (APS).; Jordanian Universities Network, JUNET; was a SESAME Training committee.
- 7. Honors and awards**
- British Council Scholar for PhD study, Sussex University, UK, 1980-1981.
  - The University of Jordan Scholar for PhD study - Applied Physics, Sussex University, UK.1981-1984.
  - Scientific Research award on best research paper; 2005.
  - Scientific Research DAAD (Goethe University, FRG, 1987, 1988, 1995) & ICTP Padova, ICTP, 1989.
- 8. Service activities** (within and outside the institution)
- Supervised (40) M.Sc., and (8) Ph.D. Thesis works.
  - On board examiner of several Master and Ph.D. students.
  - Coordinator/Member of in several committees at the University of Jordan.
  - Referee of various Faculty members promotion committees for several.
  - Evaluator of scientific projects and reviewer of different ISI scientific and indexed journals.
  - Regional Training Sessions and programs, IAEA-support.
- 9. Briefly list the most important publications and presentations from the past five years**
- “Dead Sea, DS-salt as a thermoluminescent phosphor for beta irradiation dosimetry”, F. Khamis and D-E. Arafah, Applied Physics A volume 127: 539 (2021). DOI:[10.1007/s00339-021-04463-3](https://doi.org/10.1007/s00339-021-04463-3)
  - “Improved Thermoluminescence Properties of Natural NaCl Salt Extracted from Mediterranean Sea Water Relevant to Radiation Dosimetry”, F. Khamis and D. -E. Arafah. European Journal of Applied Physics, Vol 2 | Issue 3 | May 2020; DOI: <http://dx.doi.org/10.24018/ejphysics.2020.2.3.8>
  - “Radiation induced defects and thermoluminescence characteristics in silica glasses sol-gel doped rare earth”, F. Khamis and D. -E. Arafah. European Journal of Applied Physics, DOI: <http://dx.doi.org/10.24018/ejphysics.2020.Vol.Issue.ID> October 30, 2020.
  - **Presentations:**
    - "Towards a National Impact to Face the Challenges of the e-Age", Int. Conf., June2020 &"e-Infrastructure for Science and Beyond"; Dec. 2021.
    - “The Future of Education in Jordan: Challenges and Options”, Workshop on identifying the challenges facing education, options, and alternatives to advance the sector. Center for Strategic Studies, The University of Jordan, Amman, Jordan, Aug. 31, 2020.
    - "The Pros and Cons of Distance e-Learning in the Time of Corona". Arab Thought Forum Amman - Jordan, 30/12/2020.
    - Concept Paper: “Promoting self-employment for young graduates”. Initiative of His Royal Highness Prince El Hassan bin Talal, Amman - Jordan, March 2021.
    - Workshop: Stakeholders of Science, Technology, and Innovation (STI) on the document: “Policy, and National Strategy for STI for the years (21-25). HCST, Oct. 2021.
- 10. Briefly list the most recent professional development activities**
- Participated in many international scientific meetings, initiatives, conferences, and workshops.
  - Participated in discussions: book "The Arabs and the Challenges of Transition towards Knowledge and Innovation". “Abdul Hamid Foundation Schumann and the Arab Thought Foundation.
  - Adoption of the Jordan Open Innovation Platform (JOIP); STI Policy and Strategy.
  - Higher Education Review Arbitration - State of the Country Report.
  - Study on Evaluating the Impact of Innovation on the industry.