**Curriculum Vitae**

**prof. Mohammad Abu Shayeb**

February 2021

**Personal \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

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| ***Place of Birth*** | Kuwait |
| ***Date of Birth*** | Oct, 07. 1970 |
| ***Marital Status*** | Married |
| ***Nationality*** | Jordanian |
| ***Work Address*** | Department of Physics, College of Science, Al-Hussein Bin Talal University, Ma′an, Jordan. Phone: +962-3-2179000 Ext.:6203, E-mail: [shayebmk@ahu.edu.jo](mailto:shayebmk@ahu.edu.jo) |
| ***Academic Rank (date)*** | Professor (2021) |
| ***Permanent Address*** | 71111 Ma’an, Jordan. Cell Phone: + 962-797244712, E-mail: [shayebmk@ahu.edu.jo](mailto:shayebmk@ahu.edu.jo) |

**Academic Qualifications \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

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| 1997 - 2003 | **Ph.D.,**  High energy physics, University of Rajasthan,, INDIA |
| 1993 - 1996 | **M.Sc.,**  Nuclear Physics, BSAuniversity, INDIA |
| 1989 - 1993 | **B.Sc.,**  Physics, Marathwada University, INDIA |

**Specialty \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

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| ***General Specialization:*** | physics |
| ***Specialization:*** | High energy physics |

**Career History \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

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| 2020-still | Professor Al-Hussein Bin Talal University, *Ma’an, Jordan* |
| 2011-2017 | **Associated professor** Al-Majmaah University KSA |
| 2011 | **Associated professor** Al-Hussein Bin Talal University, *Ma’an, Jordan* |
| 2004 | **Asst Poff**, Al-Hussein Bin Talal University, *Ma’an, Jordan* |
| 2003-2004 | **Teaching**, Granada College affiliated to, Balqa University*, Jordan* |
| 2020-still | Professor Al-Hussein Bin Talal University, Ma’an, Jordan |
| 2011-2017 | Associated professor Al-Majmaah University KSA |
| 2011 | Associated professor Al-Hussein Bin Talal University, Ma’an, Jordan |

**Administrative Experience \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

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| 2017 | Member of External Advisory Committee to support the decisions of the regulatory body in the field of radiological and nuclear.  At (energy and minerals regulatory commission) |
| 2012-2017 | **Manager of graduate student projects** (Al Majmaah University) KSA |
| 2014-2017 | **Self-Study report maker** for physics program at (Al-Majmaah university) KSA |
| 2012-2016 | **Member of The National Commission for Academic Accreditation (NCAAA) & Assessment** for the Physics Department (Al Majmaah University) KSA |
| 2012-2016 | **Accreditation Committee member (ASIN)** for the college of science  (Al Majmaah University) KSA |
| 2012-2016 | **Accreditation Coordinator (ASIN)** for the Physics Department  (Al Majmaah University) KSA |
| 2011-2017 | **Associated professor** (Al Majmaah University) KSA |
| 2011-2011, July | **Dean of science faculty** (al-Hussein Bin Talal University) |
| 2010-2011 | **Vice Dean of Science faculty** *Al-Hussein B T U, Ma’an, Jordan* |
| 2008 sep-2009 | **Dean of Science faculty** (acting) *Al-Hussein B T U, Ma’an* |
| 2004, Apr- 2008, Sep | **Vice Dean of Science faculty** *Al-Hussein B T U, Ma’an, Jordan* |
| 2008, Apr | **Head of Physics department**, *Al-Hussein B T U, Jordan* |

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| ***Committees*** | |
| 2012 - 2013 | Student Representative for Social Psychology Program |
| 2010 | Social Psychology Program Graduate Admissions Committee |
| 2009 | Graduate Student Social Psychology Committee, Treasurer |

**HONORS, SCHOLARSHIPS, AWARDS AND GRANTS**

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| N.A |  |
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**Professional memberships and Services**

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| ***Membership(s)*** |
| * American Psychological Association (APA) * Society for Personality and Social Psychology (SPSP) * Psychologists for Social Responsibility |

**Research Interest**

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| * Radiation physics * Experimental high energy physics |
| * Heavy-ion Interactions |

**Publications**

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| 1. Mohammad Abu Shayeb*, Distribution of natural radioactivity in the Soil & Palm Date-Pits using (High Purity Germanium Radiation Detectors) and (LB-Alpha/Beta) Gas-Flow counter in Saudi Arabia,* Nuclear Engineering and Technology [10.1016/j.net.2019.12.009](https://doi.org/10.1016/j.net.2019.12.009) 2. Xuening Pang, Lotfi Sellaoui, Dison Franco, Matias S. Netto, Jordana Georgian, Guilherme Luiz Dotto, Mohammad K. Abu Shayeb, Hafedh Belmabrouk, Adrian. Bonilla-Petriciolet, Zichao Li, Preparation and characterization of a novel mountain soursop seeds powder adsorbent and its application for the removal of crystal violet and methylene blue from aqueous solutions, Chemical Engineering Journal Vol 123617 (2019) 3. M Abu Shayeb “ Distribution of natural radioactivity and radiological hazard using a Nal(TI) gamma-ray spectrometric system. Journal of building physics 1-10 (2016) 4. Mohammad Abu Shayeb” Transfer factor for natural radioactivity into date Palme pits” Journal of Environmental radioactivity 167 (2017) 75-79 5. Hanan H. Saleh & Mohammad Abu Shayeb” Natural radioactivity distribution of southern part of Jordan (Ma′an) Soil, [Annals of Nuclear Energy](http://www.researchgate.net/journal/1873-2100_Annals_of_Nuclear_Energy) (Impact Factor: 0.8). 01/2014; 65:184–189 6. Mohammad Abu Shayeb Photon multiplicity distributions at heavy-ion Au+Au, Pb+Au, Pb+Pb interactions. Journal of modern material Vol 2.2-6 (2016) 7. Mohammad Abu Shayeb, Systematic of Photon production in Pb-Pb, Pb-Ni & Pb-Nb interaction. (4th International Conferences of Physics and Astrophysics On (QGP)(ICPAQGP-2001) Held at Jaipur.  25-30,11.2001). 8. M. Kheare Abu Shayeb and A. Al-Badawi “Systematic studies of photon production in heavy-ion interaction”, Hadronic Journal Vol.29, 2006. 9. Mohammad Abu Shayeb, Geometrical and dynamical fluctuations in Pb-Pb, Pb-Nb Interactions, world applied sciences journal 3(6):913-915, 2008-11-24 10. M. Kheare “Particle distributions at large transverse momenta from Pb+Pb collisions at 158 GeV/nucleon beam energy”, Hadronic Journal Vol.1, (2009). 11. Al-Badawi and M. Kheare Abu Shayeb (2010) “Charged Dirac particle crossing a gravitational electromagnetic sandwich wave” Canadian journal of physics, 12. Mohammad Kheare Abu Shayeb (2010) “Rapidity density deviations in Pb+Nb and Ni collisions at 158 A GeV/nucleon beam energy” Lat. Am. J. Phys. Educ. Vol. 4, No. 2, May 2010 13. Mohammad Abu Shayeb (2010)” Transverse momentum spectra of at midrapidity for central Pb+Pb collisions, Hadronic Journal Vol.32, 2010 |
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| ***Books and book chapters*** |
| * N.A |
| ***Patents*** |
| * N.A. |

**Conferences And Proceedings**

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| |  |  |  | | --- | --- | --- | | Mar,13-15.97 | Jaipur, India | International Collaboration meeting of WA98/WA93 Experiments Held at Jaipur India. | | May,5-10.97 | Jaipur, India | 16th EMU01 Collaboration meeting and workshop on high Energy Experiments held at Jaipur India. | | Nov,17-21.97 | Jaipur, India | 3rd International Conferences of Physics and Astrophysics On (QGP)(ICPA-QGP'97) Jaipur India | | Nov,25-30.01 | Jaipur, India | 4th International Conferences of Physics and Astrophysics On (QGP)(ICPAQGP-2001) Jaipur India | | Sep,12-14.05 | Jordan, Irbid | 5th symposium on the use of nuclear tech in environment studies | | Nov, -.08  Oct, 14-08 | Jordan Irbid  Jordan | 7th symposium on the use of nuclear tech in environment studies  Symposium on The Technology of Peaceful  Nuclear Energy | | 2017 | Jordan | Amman forum for the disarmament of weapons of mass destruction | | 2017 | Jordan | The 4th Arab Forum on the prospects for electricity generation and water desalination using nuclear power | |

**Teaching\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

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| ***Courses Taught-undergraduate*** |
| * Most of physics courses |

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| ***Courses Taught-postgraduate*** |
| * Nuclear physics |

**Skills\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

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| ***Languages*** |
| * Arabic (native) |
| * English (excellent) |

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| ***Computer Programs*** |
| * Having a very good experiences using computers and working with PAW analysis physics programs, and other software |