



Prof. Fahmi Ahmed Abu Al-Rub

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Prof. Fahmi Abu Al-Rub is a Member of Trustees at the German Jordan University. He is a professor of chemical and biochemical engineering at Jordan University of Science Technology (JUST). Prof. Abu Al-Rub is the Director of the Applied Scientific Research Fund (ASRF); an NGO non-profit organization that aims at promoting the innovation and entrepreneurial culture among young researchers. During his volunteer work at ASRF, Abu Al-Rub secured many external funds and supported many young researchers establish their own business based on their innovative ideas; three of them were females. Abu Al-Rub is on the board of the COST Programme: European Network to connect research and innovation efforts on advanced Smart Textiles (CONTEXT) CA17107. Abu Al-Rub was an advisor at Al-Ahlyyah Amman University. He is/was an Accreditation and Engineering Curriculum Development Consultant at JUST, the University of Jordan, Hashemite University, and Amman Al-Ahleyyah University (AAU). He is on the Board of Center of Excellence for Innovative Projects at JUST. He was the Chairman of the Board of Center for E-Learning and Open Educational Resources at JUST (2018-2020). He was the Dean of Research at JUST during 2009-2013. He reformed the Deanship of Research at JUST where he established the Technology Transfer Office and the Externally Funded Research Office. Prof. Abu Al-Rub was a Member Board of Trustees at Philadelphia University (2009-2013). He was a Key Expert at the EMUNI University-Slovenia which was established by the European Union. He established the first Master's Program in the World on De-Pollution of the Mediterranean, which was developed to be hosted by three European Universities; this was part of ENPI/2009/226- 459 Project. He is/was a partner in 39 EU, FAO, and US projects with a budget exceeding 45.0 M€; Twenty ERASMU+ Projects, Four TEMPUS Projects, three ENI project, two ENPI project, Two ERANETMED projects, one FAO project, three USAID project, one PRIMA project, two ERANET MED projects, and one NSF project. He was also a monitoring manager for two ENPI projects with a budget exceeding 4.0 M€. He was a member of the steering committee on the UNDP project: Developing Policy-Relevant Capacity for Implementation of the Global Environmental Conventions in Jordan/Jordan Ministry of Environment. Prof. Abu Al-Rub was a member of the Higher Council for Science & Technology Committee to develop the first Jordanian Code of Ethics in Research. He was Page 2 the founder and editor in chief of the Deanship of Research Newsletter-JUST. He was a consultant on Water Quality in Yarmouk Basin/ORIENT. He supervised many workshops on EU Research Proposals Preparation, International Proposal Evaluation, Innovation in Research, Impact Assessment of Research. Prof. Abu Al-Rub reviewed two Master's Programs at the American University at Beirut. Abu Al-Rub was the Vice Dean of Engineering at JUST from 2006-2009. His responsibilities included quality and accreditation of all engineering programs at JUST, curriculum development, and budget. Prof. Abu Al-Rub has supervised the preparation of all Engineering Departments at JUST for ABET. He supervised the revision of the curricula of all departments to meet ABET requirements. He was a professor of Chemical Engineering and Biochemical Engineering in the

Chemical and Petroleum Engineering Department at the UAE University in the United Arab Emirates until September 2006. Previously, he held positions of Associate Professor at the UAE University (2001-2005), Associate Professor at Jordan University of Science and Technology in Jordan (2000-2001), Visiting Scholar at Worcester Polytechnic Institute, MA, USA (Summer 1999), Assistant Professor at Jordan University of Science and Technology in Jordan (1995-2000), Postdoc. Associate at the Department of Chemical and Biochemical Engineering at the University of Iowa, Iowa, USA (1994) and Technical Brand Manager/Packaging Engineer with the Procter & Gamble Co. (89-91). Prof. Abu Al-Rub obtained his B.Sc. (1988) and M.Sc. (1990) in Chemical Engineering with excellent rating from the University of Jordan in Amman (Jordan), his PhD (1994) in Chemical and Biochemical Engineering with GPA of 4.0/4.0 from the University of Iowa in the USA. Prof. Abu Al-Rub received in 2016, the King Abdullah the Second Award in Innovation. He is/was member of the Editorial Board of: the Journal Biomass Conversion and Biorefinery, the Journal of Environment & Biotechnology Research, the International Journal of General Engineering and Technology (IJGET), the Recent Patents on Chemical Engineering, and the Research Journal of Chemistry and Environment, the Chairman of the First and Second Funded Research Conference at JUST (2012, 2012). He was the Co Chairman of the Environmental Design Competition (EDC 2006), and member of the Editorial Board of the World of Engineers Magazine, UAE, 2004-2006. He is/was a member of the Organizing Committee of the following international conferences: the 1st International Nuclear and Renewable Energy Conference (INREC10), Amman, Jordan, March 21-24, 2010, the Third International Conference on Thermal Engineering Theory and Applications (ICTEA 07) held in Jordan 2007, the Second International Conference on Thermal Engineering Theory and Applications (ICTEA 06) held in Al-Ain, UAE Jan 2006, the International Advisory Committee of the VAFSEP 2004 conference, Dublin, Ireland, July 6-9, 2004, EDC 2004, UAE 2004, and the Jordan International Chemical Engineering Conference III, Amman, Sep. 1999. Prof. Abu Al-Rub was the Vice President of the Advisory Committee of the Institute of Arab Child Culture in Jordan (2000-2002). He was listed in the 22nd edition, 2004-2005 of Who's Who in the World Marquis, Who's Who professional series, and in the 8th edition, 2004-2005 of Who's Who in Science and Engineering, Marquis Who's Who professional series. He received "Alsafeer Al-Arabi" Science and Culture Certificate: Institute of Arab Culture, Jordan, Abdel Hameed Shoman Award for Young Arab Researchers 2001: Engineering Sciences (July Page 3 2003); the most prestigious award in Arab World, Excellence Award in Teaching/College of Engineering, 2004, UAEU. Prof. Abu Al-Rub has active research in Renewable Energy, Biofuels, Desalination, Wastewater Treatment, Process Synthesis and Process Control, Environment, Development of New Adsorbents for wastewater treatment, Thermodynamics and Fluid phase Equilibria, Novel Separation methods (e.g., Capillary Distillation, Adsorptive Distillation), Biochemical Engineering (Bioseparation). Prof. Abu Al-Rub has developed new theories in Phase Equilibria inside Capillary Porous Media and developed a new model to predict the vapor-liquid equilibrium of mixtures inside capillary porous plates. He published more than 95 papers in peer reviewed top international journals and proceedings of national, regional, and international scientific conference. The h-index and the i10-index of Prof. Abu Al-Rub according to Google Scholar are 25, and 39, respectively, with 1899 total citations (As of September 3, 2020). Prof. Abu Al-Rub supervised the undergraduate final projects of more than 100 students, the M.Sc theses of more than 25 students, one PhD student in Algeria, and acted as external examiner for many M.Sc theses in Jordan and UAEU. Prof. Abu Al-Rub is a peer reviewer of numerous top international journals, such as J. Porous Media, Proc. Biochem., Sep. Sci. & Technol., J. Hazar. Mater., Ads. Sci. & Technol., J. Chem. Technol. &

Biotechnol, Chem. Eng. Commun. Journal, Chem. Eng. Data Journal, Environ. Model. Soft. Journal, Chem. Eng. Journal, Fluid Phase Equilibri., the Journal Biomass Conversion and Biorefinery.