

Curriculum Vitae

Name	Date of Birth and Place	Nationality	Gender	Marital Status
Prof. Dr. Ibrahim Mohammad AlRawashdeh	Oct. 6, 1969/ AlShoubak/ Ma'an	Jordanian	Male	Single

Current Position	Department	Institution	P. O. Box	Office and Fax Tel.	E-Mail
Professor	Biology Science, Science Faculty	Al-Hussein Bin Talal University	(20), Ma'an, Jordan	+962 3 2179000, Ext. 7344•Fax : +96232179050 Home: 032132967 Mobile: 0772302417	irawashdeh2002@yahoo.com

1. Dean of Science College 6/10/2022 - 6/10/2024 for two years.

2. Chairman of the College of Science Council

1. A member of the University's Appointment and Promotion Committee	1. Rapporteur in the appointment and promotion committee at the college
2. Member of the Primary Disciplinary Council	2. Rapporteur in the Graduate Studies Committee at the college
3. A member of the Board of Deans	3. Rapporteur in the Appointment and Promotion Committee in the Department of Biological Sciences
4. Chairman of the Materials Equivalency Committee in the Department of Biological Sciences	4. Rapporteur in the Bidding Committee at the College of Science
5. Chairman of the Scientific Research and Promotion Committee in the Department of Biological Sciences	5. Rapporteur in the Research and Scientific Projects Committee at the College of Science
6. Member of the Graduate Studies Council	

Academic Ranks and Positions at Al-Hussein University	
Dean of Science College /AHU.	6/10/2022-6/10/2024
Vice - Dean of Scientific Research for Graduate Studies	17/9/2017-17/9/2018
Secretary of Graduate Studies Council	19/9/2017-17/9/2018

Professor	13/9/2018- Up to now
Associate Prof.	21/10/2014-13/9/2018
Assistant Prof.	5/9/2010-21/10/2014
1. Dean assistant of Science Faculty	14/4/2014-3/11/2014
2. Head of Biology Department	7/9/2014-30/6/2015
3. Head of Biology Department	7/9/2015-17/9/2016
Jordanian Government tasks	
1. Chief of parliament elections for South Badia department at Jordan	2016
2. Chief of Municipalities and decentralization elections for South Badia department at Jordan	15/8/2017
3. Chief of parliament elections for South Badia department at Jordan	10/11/2020
Awards	
1-I had gotten one year seniority in the rank and salary, (regarding of 14 scientific papers introduced), for promotion during May, 2014.	May, 2014
2-I had gotten one year seniority in the rank and salary, (regarding of 14 scientific papers introduced), for promotion during November, 2017.	November, 2017

Degrees and Qualifications					
Scientific Degree	Specialization	Year	University	Average	Estimation
Ph. D	Biodiversity, Biotechnology and medicinal plants	2007	Jordan university	A= 94%	Excellent
M.Sc.	Genetic resources and Biotechnology	1999	Jordan university	82%	Very good
B.Sc.	Plant Production / plant science	1991	Jordan university	75.5%	Good
Secondary class	Scientific branch	1987	Al-Shoubak	78.9%	Good

			school		
Languages					
Arabic		English	Speaking and talking	Very good	

Dissertations	
Degree	Title
Doctor of Philosophy	Variation among and within populations of <i>Achillea fragrantissima</i> (Forsk.) Schultz Bip. from Jordan and their cultivation potential
Master	Genetic variation among and within okra landraces in Jordan.

Representative		
Member of Al-Hussein Bin Talal University Council	Representative of Science Faculty	Al-Hussein Bin Talal University. (2012-2013)
Member of Science Faculty Council	Representative of Biological Science	Al-Hussein Bin Talal University/ Science Faculty. (2012-2013)
Member of Thematic Research Group /Biodiversity group	Representative of Al-Hussein Bin Talal University	Ministry of Environment Jordan. (2011- Still)

Academic membership at Al Hussein Bin Talal University	From	To
International Advisory Board /Jordan Journal of Biological Science/ Hashemite University	July 15, 2019	July 14, 2022
1.Member of the Committee for Appointment, Promotion and Scientific Research at the Faculty of Science	24/9/2017	Up to now
2. Secretary of the Council of Graduate Studies	17/9/2017	Up to now
3. Member of the Health Insurance Committee	17/9/2016	Up to now
4. Member of the Committee of Discipline Elementary for	2016	Up to now

employees		
5. Member of the Investigation Committee of Violations / Faculty of Science - Al Hussein Bin Talal University	2012 2015	2013 2016
6. Member of the Board of Al-Hussein Bin Talal University / representative of the Faculty of Science	2012	2013
7. Member of the Council of the Faculty of Science / Representative of the Department of Biology	2012 2014	2013 2015
8. Chairman of the Scientific and Promotion Committee/ Department of Biology	7/10/2019	
9. Chairman of the Courses Committee/ Department of Biology	7/10/2019	
10. Member of the Committee for the establishment of the Master Program / Department of Biology	7/10/2019	

Academic activities	
Teaching courses	Other activities
Biology 101, Biology 102, Biotechnology, Biodiversity, Ecology, Economic and Medicinal plants, Plant physiology, Seminar (B.Sc.), Genetics ,Genetic engineering, Taxonomy, Plant morphology, Plant ecology, Home garden and Floriculture, nursing labs.	Reviewing of scientific papers in biotechnology for publication in local scientific journals.

Experiences and professions		
Title	Duration	Institution
Director of Biotechnology Unit	2008-2010	National Center for Agricultural Research and Extension (NCARE)
Coordinator of GMOs Project	2009-2011	NCARE. Strengthening capacities towards the establishment of a regional platform for the detection of genetically modified organisms

consultant of GMOs		GMOs. (Project supported by FAO).
Research assistant	February-December, 2008	Science Faculty-Jordan University–GLOWA project. From (February-December 2008).
Trainer of biotechnology	1999-tell now	NCARE, Al-Hussein Bin Talal University. DNA fingerprinting analysis and using molecular markers in plant improvements.
Manager of horticulture/ apple farms	1991-1992	Private farms
Research assistant	1992-1995	NCARTT. Horticulture and plant genetic resources (medicinal plants, cereals and wild type)
Extension Agent	1995-1996	Ma'an / Agriculture department
Genetic Resources and Biotechnology researcher	1998-2010	NCARE
Counterpart of field gene bank / biod.	2000	NCARE

Supervision

Student name	Thesis title	Year	Institution
Kholod Ali A. Juma'a M.Sc. Co-Advisor	Studying genetic variation among and within wild populations of (<i>Artemisia herba- alba</i> Asso.) from different locations in Jordan using Random amplified polymorphic DNA (RAPD) molecular markers.	2009-2010	Hashemite University
Rania W. Akeel Ph. D, External Co-advisor	Genetic variation between and among <i>Origanum syriacum</i> L. and <i>Origanum majorana</i> L. populations collected from different locations in Jordan using RAPD markers	2009	Jordan university

Member in examination committee of Master degree			
Student Name	Year	Thesis title	University
Kholod Ali A. Juma'a (M.Sc.)	2010	Studying genetic variation among and within wild populations of (<i>Artemisia herba- alba</i> Asso.) from different locations in Jordan using Random amplified polymorphic DNA (RAPD) molecular markers.	Hashemite University
Walaa Ali Darabseh (M.Sc.)	2013	Genetic variations among Jordanian tomato landraces using simple sequence repeats (SSRs) their drought resistance at germination and seedling stages.	Jordan University of Science and Technology
Abdel Monem Issa Bani Younes (M.Sc.)	2014	Genetic characterization of some sheep breeds using microsatellite markers.	Jordan University of Science and Technology
Hala Taweel (M.Sc.)	2014	Evaluating the effect of algal extracts on Ultra violet B-induced skin damage in BALB/C mice.	Al-al-Bayt University
Mohammad Hasan Abukhalil (M.Sc.)	2014	Determination of B-galactosidase activity and kinetics in the crude enzyme extract of leaves of <i>Artemisia judaica</i> L. in the presence and absence of heavy metals.	Mu'tah University
Saqer abushattal (M.Sc.)	2014	Characterization of phenoloxidase enzyme from Giant Clam (<i>Tridacna maxima</i> Röding) in Gulf of Aqaba in Red sea	Mu'tah University
Maher Abdullah Alotaibi (M.Sc.)	2015	Study the activity and kinetics of polyphenol oxidase in the crude enzyme extract of some plants	Mu'tah University
Ali Naimat (M.Sc.)	2015	Using crude extract of some plants	Mu'tah University
Lujain Atallah Al-Dalaein (M.Sc.)	2015	Kinetic studies of polyphenol oxidase enzyme indifferent crude plant extracts in presence and absence of inhibitors	Mu'tah University
Mohammad Abed Al-Raheem Al-Kafaween (M.Sc.)	2015	Ethnobotanical survey of wild medicinal plants in selected sites of Al-Karak governorate, Jordan	Mu'tah University
Tareq Haroon Shloul (M.Sc.)	2016	Determination of B-galactosidase activity and kinetics in the crude enzyme extract of <i>Pleurotus ostreatus</i> hyphae. in the presence and absence of heavy metals.	Mu'tah University
Khalid Salem Allimon (M.Sc.)	2018	A biotic stresses influence on rice <i>Lepidium sativum</i> leaves :beta-galactosidase activity and photosynthesis measurements	Mu'tah University
Aseel Galeb Albdirat (M.Sc.)	2019	Barley leaves polyphenol oxidase activity manipulation levels during drought and salinity stresses	Mu'tah University
Haitham Daif-Allah Ali Alomari (M.Sc.)	2020	Screening for candidate mutations that may cause Microtia in Awassi Sheep	Jordan University of Science and Technology

Khawla Hasan Alnweiri	2020	Phenylalanine ammonia-lyase activity in barley leaves during salinity and drought stress	Mu'tah University
Basil Bilal Mahmoud Nsairat	2020	Deferential Expression of Heat Shock Protein (70) and Factors (1,3) in Some Carcass Cuts of the Broiler as Affected by Betaine and/or Creatine Feed Additives	Jordan University of Science and Technology
Intesar Mohammad Sharqee Aljamaeen	2020	Bio formation and characterization of extracellular sliver nanoparticles using fungal isolate.	Mu'tah University
Razan Ayman Al- Sarayreh	2020	Growth conditions required to optimize phenol biodegradation ability by <i>Bacillus simplex</i>	Mu'tah University
Bara'ah Barakeh AlRwalah	2021	Evaluations of Antioxidant System and Biochemical contents in Wheatgrass juice Irrigated with Contaminated Heavy Metals	Mu'tah University
MalaakAbed Al-Dala'in	2021	A preliminary Study to Use Ghost RBCs as a Carrier to Deliver Enzymes or Biomolecules into Human Blood Neutrophils	Mu'tah University
Ahmad Adel Abu-Lubad	2021	Genome-Wide Association Study for milk-production of Jordanian Awassi sheep	JUST
Hamad Adel Alkhatatbeh	24.8.2021	Comparative Analysis of the Complete Chloroplast Genome of Two Prosopis Species (<i>Prosopis juliflora</i> and <i>Prosopis farcta</i>) in Jordan	JUST
Saba K. Tweissy	12.1.2023	Characterization and the proteolytic activity of <i>Melilotus officinalis</i> , <i>Arum Palaestiun</i> and <i>Achillea mellifoiium</i> extracts on casein,	Mu'tah University

Enas Ahmad Al-zaidaneen	8.6.2023	Evaluation of the proteolytic and biological activities of honey produced by honeybees in Tafilah region	Mu'tah University
Malak M Bani-Ahmad	17.6.2023	Genome –wide association with milk production and its components in Awassi sheep	JUST
Layali Rasmi Al-Nawaiseh	17.8.2023	Taxonomical survey of woody plants diversity in Fifa Natural Reseve	Mu'tah University
Duaa Hussein Al-Oshoush	24.8.2023	Vegetation cover in the Fifa Nature Reserve	Mu'tah University
Dana khrais	7.9.2023	The impact of some genetic and non-genetic factors on fatty acids profile in Awassi sheeps milk	JUST

Research interests

1. Biodiversity, biotechnology, medicinal plants.
- Genetic diversity measurement of field crops at morphological and molecular levels using AFLP, SSR, ISSR and RAPD markers.
2. Sustainable Agriculture and production of crops under Jordan areas.
3. Antiproliferative activity of medicinal plants against human cancers cell lines.
4. Foods Biosafety, GMOs and environment
5. Antimicrobial activity based on medicinal plants extracts.

Publication

Author/ authors	Year	Title	Institution
Ibrahim Mohammad Al-Rawashdeh	1999	Genetic variation among and within okra <i>Abelmoschus esculentus</i> L. landraces in Jordan	M.Sc. Thesis, Jordan University
Ibrahim Mohammad Al-Rawashdeh	2007	Variation among and within populations of <i>Achillea fragrantissima</i> (Forskal) Schultz Bip. from Jordan and their cultivation potential	Ph. D Dissertation, Jordan University

Publications			
Author/ authors	Year	Title	Journal name
Abdel Rahman Mohammad Said Al-Tawaha , Ibrahim Alrawashdeh , Doaa Abu-Darwish , Abdel Razzaq AlTawaha , Alla Aleksanyan , Arun Karnwal , Nataliia Nesterova , Abhishek Singh , Vishnu D. Rajput , Karen Ghazaryan , Tatiana Minkina , Iftikhar Ali , Amjad M. Husaini , Tauseef A. Bhat , Ekaterina Kozuharova , Rizwan Rashid , Marwa Adel Qotb , Qotb , Abeer Jubily	2024	Plant drought stress tolerance: understanding its physiological, biochemical, and molecular mechanisms	Accepted , 2024
Abdel Rahman Mohammad Said Al-Tawaha, Riham F. Zahalan, Arun Karnwal, Nataliia Nesterova, Iftikhar Ali, Ibrahim Al Rawashdeh , Abdel Razzaq Al-Tawaha, Roghayeh Karimirad, and Arun Karnwal	2024	Microbial Processes for Reducing E-Waste Pollution	Springer Nature Singapore Pte Ltd.
Abdel Rahman Al-Tawaha, David Mcneil, Yahia Othman and Ibrahim Al Rawashdeh	2022	Legumes production and climate change.	.In book: improvement of plant production in the Era of climate change. Publisher: CRC Taylor and Frances Groups. PP. 221:248
Abdel Rahman Al-Tawaha, Mariyana Lyubenova, Kamelia Yotovska, Ali M. Qaisi, Ibrahim Al Rawashdeh, Josef Křeček, and Muhamad Aasim	2021	Awareness of Biological Diversity and Endangered Plant Species and Ecological Education.	In: (a book springer): <i>Environmental Sustainability Education for a Changing World</i> , E. Péntzesné Kónya et al. (eds.), https://doi.org/10.1007/978-3-030-66384-1_9 . Capital Publishing Company, New Delhi, India 2021.

Omar Mohammad Atrooz, Nooh Khair AlKhamaisa, Ibrahim M. AlRawashdeh	2020	Determination of the activity and kinetic parameters of polyphenol oxidase enzyme in crude extracts of some Jordanian plants	Journal of Applied Biology & Biotechnology Vol. 8(04), pp. 69-74
A. R. M. Al-Tawaha, A. AL-Tawaha, S. N. Sirajuddin, D. McNeil, Y.A.Othman, I. M. Al-Rawashdeh , Amanullah, Imra, A.M. Qaisi, N Hahan, M. A. Shah, S. Khalid, R. Sami, A. Rauf, D. Thangadurai, J. Sangeetha, S. Fahad, R.A. Youssef, W. A. Al-Taisan and D .K. A. Al-Taey.	2020	Ecology and adaptation of legumes crops: A review	The 2 nd international conference of animal science and technology.IOP Conf. Series: Earth and Environmental Science, 492 (2020) 012085. SCOPUS
Yousef M. Abu-zaiton, Abdel Rahman Altawaha , Sulaiman M. Alnaimat, Ibrahim M. AlRawashdeh , Ahmed Abu-Zaiton and Ahmed Khalifat	2019	Investigation of the potential role of aldehyde oxidase in indole-3-acetic acid synthesis of developing rice grains.	Plant Cell Biotechnology and Molecular Biology 20(1&2):6–1
Omar M. Atrooz, Joanna Wietrzyk, Beata Filip-Psurska, Ibrahim Al-Rawashdeh , Manal Soub and Mohammad H. Abukhalil	2018	Antiproliferative, antioxidant, and antibacterial activities of crude plant extracts of <i>Asphodeline lutea</i> L. and <i>Peganum harmala</i> L.	World journal of pharmaceutical research. 7(11): 148-167
Rawashdeh IMA , Twaha AR, Abu-Zaitoon YM, Ahmed NM, Jawasreh KI	2017	Evaluation of the Genetic Variability among a Wild <i>Peganum Harmala</i> L. Populations with RAPD-PCR.	MOJ Biol Med 1(3): 00015.
Al-Tawaha, A. R., M. A. Turk, Y. M. Abu-Zaitoon, S. H. Aladaileh, I. M. Al-Rawashdeh , S. Alnaimat, A. R. M. Al-Tawaha, M. H. Alu'datt and M. Wedyan	2017	Plants adaptation to drought environment.	Bulg. J. Agric. Sci., 23 (3): 381–388
Khaleel I. Jawasreh , Rola Jadallah, A. H. AL-Amareen, Abdullah Y. Abdullah, Alaa AL-Qaisi, Ibrahim M. ALRawashdeh , Moh''d Borhan F. AL-Zghoul, M. Khair A. Ahamed and Belal Obeidat	2017	Association between <i>MspI</i> calpastatin gene polymorphisms, growth performance, and meat characteristics of Awassi sheep.	Journal of Animal Sciences. 87(5): 635–639
Omar M. Atrooz, Mohammad H. Abukhalil, Ibrahim M.	2016	Characterization of β -galactosidase in the Crude Plant Extract of <i>Artemisia judaica</i> L. in Presence and Absence of Some	American Journal of Life Sciences. 4 (5): 99-105

AlRawashdeh.		Heavy Metals.	
Ibrahim Mohammad Al-Rawashdeh and Ahmed Amri	2016	Status of species richness and <i>Scorzonera judaica</i> species at four locations at Al-Shoubak region in Jordan	Asian Journal of Conservation Biology. 5(1): 40-44
Omar M. Atrooz Manar A. Al-Btoush and Ibrahim M. Al-Rawashdeh.	2016	Heavy Metals Effect on the Activity and Kinetics of Peroxidase Enzyme in Crude Extracts of <i>Rosmarinus officinalis</i> and <i>Eruca sativa</i> .	International Journal of Biochemistry Research. & Review. 15(1): 1-8
A. L. A. AL-Ghzawi, K. A. Juma'a , I. M. AL-Rawashdeh , S. D. AL-Kofahi and E. Y. Bsoul	2016	Diversity of herbaceous plant communities and <i>Artemisia herba –alba</i> Asso. at different governorates open-lands in Jordan	Bulgarian Journal of Agricultural Science, 22 (6) : 897–905
Ibrahim Mohammad AlRawashdeh, Abdel Rahman Mohammad Tawaha, Saleem Hmoud Aladaileh and Nahed Mar'ouf Ahmed	2016	Estimation of genetic variation within yellow asphodel individuals using RAPD technique	Crop Research Journal. 15(6):
Nasab Q. AlRawashdeh and Ibrahim Mohammad AlRawashdeh	2016	Amino acids and mineral composition analysis of <i>Moringa peregrina</i> FORSSK (FIORI) in Jordan	Journal of Agricultural and Biological Science. 11(5): 160-164:175-179
Ibrahim Mohammad AlRawashdeh	2016	Comparison diversity of <i>Asphodeline lutea</i> plant species among six locations at AlShoubak and AlNaqab ecosystems in Jordan	Journal of Agricultural and Biological Science. 11(5): 160-164
Ibrahim Mohammad AlRawashdeh	2016	Assessment of resistance of the Tomato spotted wilt virus using RAPD markers.	Plant Cell Biotechnology and Molecular Biology. 17(5&6): 176-183
Ibrahim Mohammad AlRawashdeh and Nasab Q. AlRawashdeh	2016	Species diversity and genetic diversity of <i>Paronychia argentea</i> Lam. at Jerash and Wadishueib ecosystems in Jordan.	Journal of Biology, Agriculture and Healthcare.6(4):128-139
Ibrahim Mohammad AlRawashdeh	2015	Genetic variability among and within wild <i>Teucrium ploium</i> populations at Wadi Shueib area in Jordan	Journal of Agricultural and Biological Science. 10 (7): 267-273
Ibrahim Mohammad AlRawashdeh Nasab Q. AlRawashdeh and Ahmed Amri	2015	Trends in species richness and density of <i>Teucrium polium</i> L. (Lamiaceae) over time and space.	Malaysian Applied Biology Journal. 44(2): 99-105
Ibrahim Mohammad Ibrahim AlRawashdeh	2015	Genetic diversity determination for <i>Peganum harmala</i> species using Shannon's, Simposn, Eveness, Density and Richness Parameters in Jordan.	Journal of Biology, Agriculture and Healthcare. Vol. 5, No.2: 1-6
Ibrahim Mohammad AlRawashdeh and Nasab Q. AlRawashdeh	2015	Evaluation the genetic relatedness within <i>Lupinus pilosus</i> L. based on RAPD analysis.	Jordan Journal of Biological Sciences. Vol. 8, No. 1: 61-64
Muhammed Alzweiri, Ibrahim M. AlRawashdeh and Sanaa K. Bardweel	2014	The development and application of novel IR and NMR-based model for the evaluation of carminative effect <i>Artemisia judaica</i> L. essential oil	International Journal of Analytical Chemistry. Vol. 2014: 1-10 http://dx.doi.org/10.1155/2014/627038

Khaleel I.Z. Jawasreh, Ibrahim M.Alrawashdeh, Motasem M. AlMasad, Mustafa S.Alrawashdeh, Alaa A. Al-Qaisi, Ibrahim A.AlSukhni and Mohammad A.Mayyas	2014	Gene and Genotype Frequencies of MspI, NcoI and HhaI Calpastatin Gene Restriction sites in Awassi Sheep.	Mitteilungen Klosterneuburg. 64(2): 14-28
Siham Allozi and Ibrahim Mohammad Al-Rawashdeh	2014	Screening of Jordan Certified Wheat Seedlings for Drought Tolerance	Jordan Journal of Agricultural Sciences. 4 (1):484-492
Nasab Qasem Al Rawashdeh, Ibrahim Mohammad AlRawashdeh and Auhoud Micheal Hourani.	2013	Fatty acid comparison between oil of <i>Moringa peregrina</i> and <i>Olea europea</i> .	The Journal of Ethnobiology and Traditional Medicine. Photon, 118: 264-268
Abdul Latief A.Al-Ghzawi, Khloud A. Juma'a and Ibrahim M. Al-Rawashdeh	2012	Genetic and chemical variations among wild populations of a medicinal plant (<i>Artemisia herba-alba</i> Asso.) collected from different regions in Jordan	Journal of Food, Agriculture and Environment.10(3&4): 26-31
Ibrahim Mohammad Al-Rawashdeh and Nasab Q. Al-Rawashdeh	2011	Exploring Genetic Diversity in Jordanian Wheat Landraces from Different Agro-ecological Regions using Random Amplified Polymorphic DNA Analysis	International Journal of Agriculture and Biology. 13: 325-331
Ibrahim Mohammad Al-Rawashdeh	2011	Genetic Variability in a Medicinal Plant <i>Artemisia judaica</i> using Random Amplified Polymorphic DNA (RAPD) Markers	International Journal of Agriculture and Biology. 13 (2): 279-282
Ibrahim Mohammad Al-Rawashdeh	2011	Molecular taxonomy among <i>Mentha spicata</i> , <i>Mentha longifolia</i> and <i>Ziziphora tenuior</i> populations using RAPD technique	Jordan Journal of Biological Sciences. 4 (2): 63-70
Ibrahim Mohammad Al-Rawashdeh	2011	Genetic diversity analysis of <i>Achillea fragrantissima</i> (Forsk.) Schultz Bip populations collected from different regions of Jordan using RAPD markers	Jordan Journal of Biological Sciences. 4 (1): 21-28
Jawasreh, K.I.Z., I.M. Al-Rawashdeh, A. Majali, H.Talafha, A.Ejarah and F. Awawdeh	2011	Genetic relatedness among Jordanian local Awassi lines Baladi, Sagri, and blackface and the black Najdi breed using RAPD technique	Genomics and Quantitative Genetics. 2: 31-36
Ibrahim Mohammad Rawashdeh, Ahmed Amri and Nasab Q. Rawashdeh and Muhanad Walid Akash	2010	Identification of date palm varieties using amplified fragment length polymorphism (AFLP) markers.	Dirasat, Agricultural sciences, volume 37(1), 29-35.
Ibrahim M. Rawashdeh, Nasab Q. Rawashdeh, Nasri I Haddad and Ahmed Amri	2010	Genetic diversity Analysis among Jordanian Jordanian Wheat Landraces, Improved Cultivars and wild types <i>T. dicoccoides</i> using RAPD Technique.	Jordan Journal of Agricultural Sciences, 6(4): 548-559
Ibrahim Mohammad Rawashdeh, Nasri I Haddad and Ahmed Amri	2009	Morphological diversity among and within populations and a medicinal plant (<i>Achillea fragrantissima</i>) collected from different regions of Jordan.	Res. On Crops, 37 (1,2&3): 242-252
Ibrahim Mohammad Rawashdeh, Nasab Q. Rawashdeh, Abdel Nabi Fardous Ahmed Amri and Saleh	2009	Genetic relatedness among olive varieties and Romanian trees using amplified fragment length polymorphism (AFLP) markers.	Advances in environmental biology, 3(1):101-106

Shdaifat.			
Ibrahim Mohammad Rawashdeh, Nasri I Haddad and Ahmed Amri	2009	Diversity assessment of <i>Achillea fragrantissima</i> (Forskal) Schultz Bip. Populations collected from different ecosystems in Jordan	Res. On Crops, 10(3): 632-642
Ibrahim Mohammad Rawashdeh, Abudel Latif Ghzawi, Nasab Q. Rawashdeh, Kamal Khairallah, Abdel Rahman Al-Tawaha and Bannur Salama	2009	Genetic variation among sumac (<i>Rhus coriaria</i> L.) samples collected from three locations in Jordan as revealed by AFLP markers	Advances in Environmental Biology, 3(1): 107-112

Publications			
Author/ authors	Year	Title	Journal name
Ibrahim Mohammad Rawashdeh, Nasri I Haddad and Ahmed Amri	2009	Genetic relatedness among <i>Achillea fragrantissima</i> populations using amplified fragment length polymorphism (AFLP) markers.	Dirasat, Agricultural sciences, volume 36(2), 89-99
Ibrahim M Rawashdeh, Siham Allozi	2009	Study the genetic relatedness among wheat varieties in Jordan using RAPD markers. The fourth conference on scientific research in Jordan	The fourth conference on scientific research in Jordan. 70-86. Referred papers. 7 Nov. 2009. Jordan Society for Scientific Research, Amman, Jordan.
Khaleel I.Z. Jawasreh, Faisal Awawdeh, Ibrahim Rawashdeh, Faiq Hejazeen and Miasser Al-Talib	2009	The allele and genotype frequencies of bovine pituitary specific transcription factor and leptin genes in Jordanian cattle population by using PCR-RFLP	Australian Journal of Basic and Applied Sciences, 3(3): 1601-1606
Rania W. Akeel, Ibrahim M. Rawashdeh, Nasri I. Haddad and Malik Haddain	2009	Genetic variation between and among <i>Origanum syriacum</i> L. and <i>Origanum majorana</i> L. populations collected from different locations in Jordan using RAPD markers	Crop Res. 38 (1, 2 & 3) : 245-257
Abdul Latief Ali Al-Ghzawia, Ibrahim M Rawashdeh, Abdel Rahman Al-Tawaha	2009	Genetic Relatedness among Wild and Cultivated Almond Genotypes Using Randomly Amplified Polymorphic DNA (RAPD) Markers in Jordan	Jordan Journal of Biological Sciences. 2(2): 89-96.
Ibrahim Rawashdeh and Nasri Haddad	2006	Genetic relatedness among wild type, landraces, mutants and cultivated Chickpea using molecular analysis.	Dirasat, Agricultural sciences, 33(2), 114-123.
Ibrahim Rawashdeh and Ahmed Amri	2006	Genetic characterization of date palm varieties using RAPD markers	Jordan Journal of Agricultural Sciences, 2 (3), 234-242.
Ibrahim Rawashdeh and Ahmed Amri.	2005	Utility of Randomly Amplified Polymorphic DNA Markers in Studying the Genetic Purity of Melon Cultivar (Golden F1 hybrid) and landraces.	Al-Aawamia, 113(2), 79-84.
Ibrahim Rawashdeh and Ahmed Amri	2004	Genotypic and Phenotypic Characterization of DNA Palm Varieties by Randomly Amplified Polymorphic DNA (RAPD)	Dirasat, Agricultural Sciences, volume 31(2), 150-156.
Ibrahim Rawashdeh	2003	Detecting Genetic Variation Mutants Nabali Olive Trees Cultivar in Jordan Using RAPD Technique.	Dirasat, Agricultural Sciences, volume, 30 (2), 133-136.
Ibrahim M. Rawashdeh, Feras Q. Alali, Nasri I. Hadadd and Ahmed Amri.	2016	Variation in essential oils contents of wild <i>Achillea fragrantissima</i> L. populations collected from Jordan	In press

Conferences					
Conference title	Authors	Participation	Duration	Year	Held place/ country
The second Biotechnology Conference	Rawashdeh, I., M. Kasrawi. and S. Masoud	Genetic variation among and within okra landraces in Jordan as determined by RAPD.	March 23-24	1999	Albyt University Al-Mafraq-Jordan
The Scientific Research in Service of Agricultural Development	Rawashdeh, I., M. Kasrawi. and S. Masoud	Genetic variation among and within okra landraces in Jordan as determined by RAPD.	April 27-29	1999	Mutt'a University-Karak/Jordan
International Conference on Biotechnology in Agriculture: Present and Future	Rawashdeh, I., M. Kasrawi. and S. Masoud	Genetic variation among and within okra landraces in Jordan using RAPD	September 5-7	2000	Al-Balqa Applied University, Al-Sult/Jordan
International conference on promoting community – driven conservation and sustainable use of dry land Agro biodiversity	Ibrahim Rawashdeh and Ahmed Amri	Genetic Characterization of Date Palm Varieties Using RAPD Markers	April 18-21	2005	ICRADA, Aleppo, Syria
The first international symposium on medicinal plants, their cultivation and aspects of uses	Ibrahim M Rawashdeh, Feras Q. AlAli, Nasri I Hadadd and Ahmed Amri	Essential oil variability in the wild medicinal plant (<i>Achillea fragrantissima</i> L.) In Jordan	October 15-16	2008	Ash-Shoubak University College. Al-Balqa Applied University, Petra- Jordan
The first international congress: Documenting, analyzing and, managing biodiversity in the Middle East	Ibrahim M Rawashdeh, Nasri I Hadadd and Ahmed Amri.	Diversity assessment for populations of <i>Achillea fragrantissima</i> collected from different ecosystems in Jordan	October 20-23	2008	Aqaba/Jordan
The second international Jordanian Egyptian biotechnology conference	Ibrahim M Rawashdeh, Nasab Q Rawashdeh, Abdel Nabi Fardous, Ahmed Amri and Saleh Shdaifat	Genetic relatedness among olive varieties and Romanian trees using amplified fragment length polymorphism (AFLP) markers	November 11-13	2008	Yarmouk University, Irbid/ Jordan
Research, development and innovation: Biotechnology in the Arab World Forum	-	Attendant	March 3-4	2008	Amman/ Jordan
The third international conference on	-	Attendant	April 1-2	2008	Amman/ Jordan

Intellectual Property Rights (IPRs) in agriculture					
The fourth international conference on Intellectual Property Rights (IPRs) in agriculture	-	Attendant	April 19-20	2009	Amman/ Jordan
The fourteenth Jordan science week science and technology for sustainable development	-	Attendant	May 2-6	2009	El-Hassan Science City for Continuity, Innovation and Change. Amman/ Jordan
The fourth conference for scientific research	-	Attendant	September 7	2009	Amman/ Jordan
Fourth global summit on medicinal and aromatic plants	Ibrahim Mohammad Rawashdeh	Essential oil variability in wild medicinal plant <i>Achillea fragrantissima</i> in Jordan. Fourth global summit on medicinal and aromatic plants	December 2-4	2009	Sarawak/ Malaysia.
Fourth global summit on medicinal and aromatic plants	Ibrahim Mohammad Rawashdeh and Nasab Q. Rawashdeh	Genetic relationships among "Akoub" samples collected from five different locations in Jordan using AFLP	December 2-4	2009	Sarawak/ Malaysia.
The 6 th conference on aromatic and medicinal plants of southeast European countries (6 th CAMPSEEC).	Ibrahim M Rawashdeh, Nasri I Hadadd and Ahmed Amri	Genetic relatedness among medicinal plant <i>Achillea fragrantissima</i> populations using amplified fragment length polymorphism (AFLP) markers.	April 18-22	2010	Antalya/ Turkey
The third international symposium on medicinal plants, their cultivation and aspects of uses.	Ibrahim M. Al-Rawashdeh	Attendant	November 21-23	2012	Petra-Jordan

Workshops	
Title	Date and place
TAIEX Workshop on Knowledge Exchange for Biodiversity Utilization Toward Sustainable Agriculture; Event id 86232.	08/10/2024 - 09/10/2024
The reality of medical education in Jordan. National symposium	Royal cultural center, 17.6.2023. Amman , Jordan
The first virtual astronomer forum for teachers	On line. 28.5.2022
Workshop on: Contribution of National Institutions to the Network of Biodiversity in the South Region / Aqaba Governorate. "Biodiversity Research Activities in Ma'an Governorate" (lecture by Prof. Ibrahim M. Alrawashdeh).	Hold by Jordan Society for Scientific Research. Entrepreneurship, and Creativity In Cooperation with The Royal Society for the Protection of the Marine Environment. During 13-14/2/2021, Aqaba/ Jordan
The status of Jordan biodiversity for food and agriculture	August 25-27, 2015, Aqaba, Jordan.
Policy makers and biodiversity research implementation-National biodiversity committee and thematic research group-International union for the conservation of nature IUCN-ROWA.	January 26-27 2014, Aqaba, Jordan
Develop a Climate Change POLICY for the Hashemite Kingdom of Jordan.	November 8 2012, Amman, Jordan
ESTABLISHING SPECIES CONSERVATION PRIORITIES IN JORDAN.	September 3 20102, Amman, Jordan
Developing Policy-Oriented Research Guidelines Procedures, and Tools to Support Implementing RIO Conventions in Jordan. Developing Policy-relevant Capacity for Implementation of the Global Environmental Conventions in Jordan.	December 1 st 2011, Amman. Jordan
Developing Policy-relevant Capacity for the Implementation of Global Environmental Conventions in Jordan" CB2.	December 5 2011, Ministry of Environment, Jordan
Final stake holder workshop.	April 10-11 2011, Coral Deira Hotel, Dubai, United Arab Emirates. TCP/RAB/3202
High-Level Workshop of Regional Capacity Building for GMOs Detection and Biosafety for Food and Agriculture.	June 16-17 2010, GCSAR Damascus, Syria Organized by: FAO- GCSAR-ICARDA.
Strengthening capacities towards the establishment of a regional Platform for the detection of genetically modified organisms.	August 28-30 2009. Amman, Jordan. Funded by FAO
TAIEX workshop on decentralization of management of agricultural sector.	July 20-21 2009., The Regency palace hotel, Amman, Jordan
Wild herbs conservation workshop.	20-21/6/2006, Jordan
Crop production technology fellow- up.	Jun -July 2001, KOREA.
Grazing management.	June 12-13 2001, Jordan
Conserve the landraces of wheat and barley.	June 17-18 2001, Jordan
NCARE activities. (Introduce lecture about biotechnology present working and future prospective).	April 6-10 2008, Jordan
Biosafety of organisms. Environment Ministry.	May 7-8 2008, Jordan. Counterpart from NCARE

Training courses				
1. Biotechnology				
Title	Year	Date	Organizer	Held place/country
Keeping students engaged: Building strong student/teacher connections in a remote learning environment	2020	1-2/12/2020	Microsoft	AHU.
Ethics teaching and medical science (ETTC)	2014	19-23 October	UNESCO	Hashemite university, Jordan
GMO Detection and Biosafety	2010	June 19-24	FAO- GCSAR-ICARDA	ICARDA, Aleppo, Syria
Study tour on "strengthen capacities towards the establishment of a regional platform for the detection of genetically modified organisms	2009	December 14-18	European Commission Joint Research Center, frame of the project TCP/RAB/3202-FAO	Ispra, Italy
Karyo typing applications	2009	November 22-25	Metasystem company	Germany
Gene transfer, association and QTL analysis	2009	August 2-27	ICARDA	Aleppo, Syria
GMOs detection techniques	2009	August 22-26	ICARDA	Aleppo, Syria
DNA molecular marker techniques for crop improvement.	2003	September 7-18	ICARDA	Aleppo, Syria
Application of molecular techniques in field of plant breeding. Nuclear science lab	2002	2 February- First May, Three months	<u>International Atomic Energy Agency (IAEA)</u>	Vienna
Detection of criminal based on DNA fingerprinting	2000	May 6-18	Department of forensic science laboratory	Jordan
DNA fingerprinting of Date palm	1998	June	NCARTT	Jordan

Training courses				
2. Genetic resources, Biodiversity, Medicinal plants and Crop Production Technologies				
Title	Year	Date	Organizer	Held place/country
Understanding the Science of Environmental Governance and Building Capacity of Skills of Development of Environmental Policies and Strategies Related to Implementation of Rio Conventions in Jordan and Integration of Conventions' Provisions into National Development Planning	2012	February 25-26	Ministry of Environment	Ministry of Environment, Amman, Jordan
Evolving Implementation of the Regional Platform for MOs Detection Platform” and The Final Regional Stakeholders Meeting	2012	January 24-27	FAO	Crowne Plaza, Beirut – Lebanon
Importance of medicinal plants	2005	May 15-17	Medicinal plants project/ Al-Mushaquer Research Center/ NCARTT	Amman/Jordan
Seed bank management	2003	June 22-26	ICARDA	Syria
Global Position Systems (GPS)	2001	May 12	Biodiversity project-UNDP support	Jordan University
Eco-geographical and botanical survey	2000	February 6-17	Biodiversity project-UNDP support-ICARDA	Syria
Tissue culture of date palm	2000	July 10-24	NCARTT	Jordan
Locust control	1999	May	FAO	Jordan

Quarantine	1999	June	GTZ	Jordan
Crop production technology	1996	18 June- 20July	KOICA-Kyungpook National University	South Korea
Improvement of plant trees production	1995	August 14-21	ACSAD	Egypt
Collection and evaluation of plant genetic resource	1995	November	IBGRI	Jordan
Pruning and training for apple trees	1995	February	NCARTT	Jordan
Agricultural experimental design and statistical analysis	1993	January	NCARTT	Jordan

Training courses				
3. Administration				
Title	Year	Date	Organizer	Held place/country
Job description and analysis	2022	31/3-2/4	Science caravan Academy for consulting and training	Amman/Jordan
Human resources performance evaluation	2022	31/3-2/4	Science caravan Academy for consulting and training	Amman/Jordan
Phyton programming language for everyone	2022	29/3-2/4	Science caravan Academy for consulting and training	Amman/Jordan
Keeping students engaged: Building strong student/teacher connections in a remote learning environment	2020	1-2/12/2020	Microsoft	AHU.
Development of administration procedures, proper interaction between employees at the work level and laws studies	2008	November 16-27	General Administrative Institute	Saudi Arabia
Design and evaluation of innovation policy in developing countries	2008	June 10-12	Royal scientific society	Jordan
Evaluation the yearly reports and excellence	2008	April 13-17	The National Institute for Training	Amman/Jordan
Planning and work management	2003	June 1-12	The National Institute for Training	Amman/Jordan
4. Statistical and computer skills				

Genstat analysis	2001	April 8-12	NCARTT	Amman/Jordan
Soft ware , Dos ,Winword, Excell, Internet	1998	June	Private sector	Amman/Jordan
5. Others				
TOFEL course	2000	21 May-21 July	Private	Jordan University

Membership				
A member of Agricultural Association since, (1992).				
A member of Recommendation Association, (1993).				
A member of Al-Shoubak club of sport and culture, (1993).				
Biosafty committee (Ministry of Environment)				
Member of employees club at Al-Hussein Bin Talal University.				
Member of thematic Biodiversity Research Group. UNDP project cooperation with Ministry of Environment, Jordan.				
Member of the science College Council, Al-Hussein Bin Talal University, 2012-2013.				
Member of students' offenses committee, 2015-2016 and 2011-2012.				
Member of the University council 2012-2013.				
Member of ASTF				

Computer skills of statistical analysis					
ICDL- Mutah university					
Specialized statistical software, SPSS, for molecular, morphology and genetic diversity analysis.					
Familiar with software "PAST" of genetic diversity analysis.					
Familiar with map manager analysis.					
Familiar with power marker analysis.					
Familiar with NTSYST analysis.					
Excellent usage of Internet, Windows, MS-word.					
Spread sheet applications, Excel.					

Lectures at national institutions					
Title	Key speaker	Year	Date	Organizer	Country

Molecular Markers as Tool for Studying the Characters Differences among Organisms Based on Polymerase Chain Reaction (PCR) Machine Lecture introduced in training course: Techniques for production grape transplanting virus free	Ibrahim Mohammad Al-Rawashdeh	2008	March 16-20	NCARE	NCARE/ Amman/ Jordan
Studying genetic diversity among and within populations of <i>Achillea fragrantissima</i> (Forskal) Schultz Bip. from Jordan Based on morphology, essential oils, DNA fingerprinting and their cultivation potential.	Ibrahim Mohammad Al-Rawashdeh	2008	March 1 st	Al-Hashmiah University	Al Mafraq/ Jordan
Studying genetic diversity among populations of <i>Achillea fragrantissima</i> based on DNA fingerprinting	Ibrahim Mohammad Al-Rawashdeh	2008	May 5	Al-Balqa University/ Al-Zarqa branch	Al Zarqa/Jordan
Floriculture lectures and Establishment fields of fruit trees	Ibrahim Mohammad Al-Rawashdeh	1992		Noor Al Hussein Association	Tafeliah

Suggested proposals

1. Improvement of Wheat and Barley Production Under Jordan Arid Regions Based on Conventional Breeding and Biotechnology Methods. (Rawashdeh et al., 2008)
2. The genus <i>Orobancha</i> in Jordan: molecular systematic and economic implications. (Jamil laham, Hanan Malkawi, Khalid Hameed and Ibrahim Rawashdeh.)
3. Anti proliferative activity of selected medicinal plants of Jordan against breast, lung, bladder, colon and stomach cancer cell lines. (Rawashdeh et al., 2008).
4. Study the genetic diversity, molecular analysis, medicinal uses, culture and cultivation potential of puffball in Jordan. (Rawashdeh et al., 2008).
5. Performance of Damascus, Dhawi Goats and Awassi Sheep feed Diets Supplemented with Medicinal and Herbal plants in Jordan. (Rawashdeh et al., 2008).
6. Studying the genetic relatedness among different wild and cultivated crops using certain molecular markers in Jordan. (Rawashdeh et al., 2008).
7. Quality assessment of medicinal plants available in Jordan markets compared with its natural habitats. (Rawashdeh et al., 2008).
8. Biotechnology-GMOS and biodiversity with relation to environment safety in Jordan. (Rawashdeh et al., 2008).

Participation in national and international reports			
Author/Authors	Title	Year	Institutions
Nasri Haddad, Ahmed Amri and Ibrahim AL-Rawashdeh and Ali Shehadeh	Collection and conservation of Jordanian landraces of major field crops based on gene bank gap and duplicated analysis	May 2010	Jordan university NCARE ICARDA
Ibrahim Al-Rawashdeh	Status and options for regional GMs detection plate form	2010	FAO and NCARE

Awards		
Research title	Year	Affiliation
Effect of cutting the pistachio tips on renewable vegetative parts	1996	NCARTT
Detecting Genetic Variation Mutants Nabali Olive Trees Cultivar in Jordan Using RAPD Technique	2002	NCARTT
Genotypic and Phenotypic Characterization of DNA Palm Varieties by Randomly Amplified Polymorphic DNA (RAPD)	2003	NCARTT
Distinguished employer through-Civil service Bureau, Jordan	2008/2009	NCARE
Doctoral study- Scholarship	2004-2007	NCARE

Visiting of international countries		
Country name	Year	Mission
United Arab Emirates	2011	Workshop
Lebanon	2011	Workshop
Syria	2000, 2003,2009, 2011	Workshop and training
Turkey	2010	Conference
Italy	2009	Scientific visiting/JCR
Germany	2009	Training
France	2009	Training
Malaysia	2009	Conference
Saudi Arabia	2008	Training

Austria	2002	Training/ IAEA
South Korea	2001, 1996	Training/ Kyungpook National University
Egypt	1995	Training

Interviews	
Jordan Television-New day. Importance of medicinal plants. October 2008	
Al-Rai Newspaper-Jordan. Using DNA fingerprinting in plants. October 1999.	
Al-Destour Newspaper- Jordan. Studying different date palm varieties in Jordan based on the DNA fingerprinting. July 2003	

Talents	
Poet	Various poems such as, lover description, Mother Eid and National day
Karate	Brown belt
Writer of articles	Former- student voice/Jordan University Al-Hassad/NCARE
Driving and travelling	-

References	
1.Radee Hamadeen-Audit Bureau/ Jordan Audit Bureau government. - 0799069744	
1.Dr. Ahmd Amri. E- mail (A. Amri @ cigar.org), ICARDA. Tel.: 00963955386152. Morocco	
2.Dr. Faisal Awawdeh. E-mail (faisal_awawdeh@yahoo.com), General Director of NCARE- Now. Tel.: 0777781170. Jordan	
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