

Nationality : Jordanian
Place & Date of Birth : Irbid, 12 May 1972
Languages : Fluent in Arabic, English and Russian
Mobile : +962 777 327 437
E-mail : drnizarh@gmail.com
Profiles:
Researchgate : www.researchgate.net/profile/Nizar_Haddad
Linkedin : <https://www.linkedin.com/in/nizar-haddad-phd-64137629>
Facebook : www.facebook.com/Dr.nizarhaddad/

ACADEMIC QUALIFICATIONS, AGRICULTURE

1999 Ph.D. in Zoology & General Principles of Farming- Specialization in Beekeeping. Belgorod State Agricultural Academy, Russia.
1995 M.Sc. Plant Production- Specialization in Beekeeping. Belgorod State Agricultural Academy, Russia.

ACADEMIC QUALIFICATIONS, MANAGEMENT

2021 Innovation Associate: Innovation Management Level 1. King Abdullah II Center for Excellence, GIMI Institute, Jordan.
2019 EFQM Assessor. King Abdullah II Center for Excellence, EFQM, Jordan.
2011 M.Sc. in Management and Strategic Studies. Mu'ta University, Jordan.
2011 Higher Education Diploma (H.Ed.Dip.) in National Resources Management. Royal Jordanian National Defense College, Jordan.
2010 Certified Mentorship. King Abdullah II Award for Government Performance and Transparency. King Abdullah II Center for Excellence, Jordan.
1995 Higher Diploma in Methods of Teaching Russian as a foreign language, Russia.
1990-1991 Russian Language Course, Russia.

PROFESSIONAL QUALIFICATIONS

2017 - Present Director General, National Agricultural Research Center (NARC).
2009 - 2017 President of the Agricultural Beekeepers' Union.
2003 - 2017 Director, Bee Research Department, NARC, Jordan.
2001 - 2002 Counterpart "Alternative Livelihoods and Sources of Income". The Agro-Biodiversity Project, Jordan.
2000 - 2002 Coordinator of the Forage Legumes Research Program.
Since 2000 Senior Scientist, National Agricultural Research Center (NARC).
1999 Freelancer- Interpreter and teacher of Russian Language.

AWARDS

International

1. 2016- "Flash Talk Award"- **Best Speech. U.S. Agency for International Development (USAID) & U.S. National Academy of Science (NAS).** USA.
2. 2013- "Apimondia Silver Medal"- **Best Education Website in Bee Sciences.** Apimondia. Ukraine.
3. 2007- "International Honey Bee Health Research Award"- **Vita-Europe-** England. (First Arab country citizen to receive this award).
4. 2007- "Apimondia Silver Medal"- **Best Multimedia Extension Tool in Beekeeping Sciences.** Apimondia. Australia.
5. 2007- "Apimondia Bronze Medal"- **Best Beekeeping Website.** Apimondia. Australia.
6. 2005- "Apimondia Gold Medal" **Best Multimedia Extension Tool in Beekeeping Sciences.** Apimondia. Ireland. (First Arab country citizen to receive this award).

National

1. 2019- "**Khalil Al Salem Award for Scientific Research and Authorship**"- Best Book entitled "Apiary Management".
2. 2016- "**El Naser Salah Al Din Award**"- Creativity Award in Environmental Sciences for Best Ethnobiology Book "The Oak Whisper".
3. 2015- "**Zarqa University Award**"- Best Climatic Changes Book during the years 2013 -2014, "Climatic Changes and Jordanian Food security".
4. 2009- "**Ideal Government Employees Award**".
5. 2008- "**Philadelphia Award**"- Best Translated Scientific Book "Buzz about Bees".

Patent of an Invention

Patent Application Number (290/2015) "A Device for Separating Byproducts of Olive Pressing" date (26/11/2015).

RESEARCH AND DEVELOPMENT PROJECTS

1. Development of digital technology transfer tools for agriculture in collaboration with FAO (2020-2021), including a mobile application (NARC-Ma' Al Muzare', launched on June 23, 2021; NARC Repository System (cataloguing, tracking and monitoring projects and sharing knowledge products); and implementing NARC e-Lab services mobile application that will govern an automated process of laboratory analyses (**technical support approximately \$300,000 US**).
2. Development of the National Agricultural Innovation Incubator at the National Agricultural Research Center, and promoting entrepreneurship in the Jordanian agricultural sector in collaboration with IUCN, INWRDAM, Greentech, Blumont & AFD (2021-2022). In kind **1,000.000 Euro**.
3. Development of a huge storage capacity using international standards in the field of Ex-situ & In-situ conservation of local land races, crop wild relatives, and wild flora through the establishment of the National Seed Bank with an allocated budget of (**\$5,000.000 US**) from the Hashemite University.
4. European Union (2020) "Green-skills for a sustAiNable Development (Greenland)". **2,791,437.47 Euro**.
5. European Union (2019) "enhancing thE social Inclusion of nets (HELIOS)". **3,856,322.19 Euro**.
6. Higher Council of Science and Technology (2019) "Innovative Sustainable Solutions for broomrapes: Prevention and Integrated Pest Management Approaches to overcome Parasitism in Mediterranean Cropping Systems." **35.000 JDs**.
7. GIZ (2018- 2019) "Improvement of Green Infrastructure in Jordan through Labor-intensive Measures." **2,240.411 Euro**.
8. ICARDA (2017-2022) "Conservation of Pollinators Diversity for Enhanced Climate Change Resilience." **190.080 Euro**.
9. USAID (2015-2018) "Novel Concepts for Dryland Afforestation: Maintaining Ecosystem Integrity and Supporting Community Livelihoods." **\$231,081US**.
10. USAID (2012-2016) "Impact of the *Varroa destructor* Infestation and Its Viral Load on Honeybee Colonies in the Middle East and North Africa". **\$290,859US**.
11. USAID (2011-2014) "Evaluation and Development of *Apis mellifera syriaca* with Useful Beekeeping Traits for the Middle East Region". **\$329,311US**.
12. USAID (2009-2012) "Prevalence of Honeybee Viruses in the Middle East and Their Association with the Appearance of CCD". **\$499,280US**.
13. CNEPRU (2009-2012) "Antibiotics and Miticides in Algerian and Imported Honeys". **In kind**.
14. DFG (2008) Research visit to Germany for studying the honey bee population genetics. **10,000 Euro**.
15. USAID (2004 – 2008) "Improving Honey Bee Colony Performance by Feeding Pollen Supplements". **\$147,420US**.

16. USAID (2003 – 2006) “An Evaluation of Jordan’s Wild Plants as Food Source for Honeybees”. **\$93,884US.**
17. GTZ (2003 – 2004) “Conservation of Local Honey Bees in Jordan. **16,000 Euro.**
18. DFG (2003) Research visit to Germany for the Morphometric study of the Honey bee *Apis mellifera syriaca*. **10,000 Euro.**
19. USAID (2002–2005) “Comparing the Efficiency of Native and Domesticated Bees in the Pollination of Field and Orchard Crops”. **\$116,860US.**
20. AFESD - Arab Fund for Economic and Social Development, Kuwait (2002- 2006) “Establishment of Experimental Sites for the Improvement of Treated Wastewater Quality in Jordan”. **\$640,000US.**
21. JBS (2002-2003) “Revolving Loans for Poverty Alleviation in Alharsh- Mafraq Area”. **\$25,000US.**

Refereed Journals

1. Nonno Hasegawa, Maeva A. Techer, Nouredine Adjlane, Muntasser Sabah al-Hissnawi, Karina Antunez, Alexis Beaurepaire, Krisztina Christmon, Helene Delatte, Usman H. Dukku, Nurit Eliash, Mogbel A. A. El-Niweir, Olivier Esnault, Jay Evans, **Nizar J. Haddad**, Barbara Locke, Irene Munoz, Gregoire Noel, Delphine Panziera, John M. K. Roberts, Pilar De la Rua, Mohamed A. Shebl, Zoran Stanimirovic, David A. Rasmussen, Alexander S. Mikheyev. (2023). Evolutionary diverse origins of deformed wing viruses in western honey bees. PNAS. doi: <https://doi.org/10.1073/pnas.2301258120>. May 2023.
2. S. Hassan, A. Kaabaneh, **N. Haddad** and M. Louhaichi. (2022). Impact of awareness campaign for enhancing adoption of new cactus pear accessions in Jordan. Acta Horticulturae. 1343. ISHS 2022. DOI: 10.17660/ActaHortic.2022.1343.43.
3. Hanna Mdanat, Nida Salem, Eman Al Anasweh, Sadeer Amasha, Nasser Romeiah, **Nizar Haddad**. (2022). Molecular Characterization and Geographical Distribution of Whitefly Bemisia Tabaci (Hemiptera: Aleyrodidae) in Jordan. Jordan Journal of Agricultural Sciences, Volume 18, No. 3 2022, DOI: <http://doi.org/10.35516/jjas.v18i3.451>.
4. Abeer Albalawneh, Amani Al-Assaf, Amer Sweity, Wafa'a Abu Hammour, Khawla Kloub, Amgad Hjazin, Rabab Kabariti, Lana Abu Nowar, Maher J. Tadros, Safaa Aljaafreh, Mai Diab, Jafar Alwidyan, Ghadeer Albashbsheh, **Nizar Haddad**. (2022). Mapping cultural ecosystem services in the hyper arid environment of south of Jordan. Frontiers in Environmental Science. DOI 10.3389/fenvs.2022.866309,
5. Mohammad Brake, Iana Al-Qadumii, Hassan Hamasha, Hussein Migdadi, Abi Awad, **Nizar Haddad**, Monther T. Sadder. (2022). Development of SSR Markers linked to Stress Responsive Genes along Tomato Chromosome 3 (*Solanum lycopersicum* L.). BioTech. <http://doi.org/10.3390/biotech11030034>.
6. Amani Al-Assaf, Abeer Al Balawneh, Amgad Hjazin, Rabab Kabariti, Lana Abu Nowar, Jafar Alwidyan, Ghadeer Albashbsheh, Mai Diab, Wafa'a Abu Hammour, Safaa Al Jaafreh, Salsabeel Al Shishany, **Nizar Haddad**. (2022). Gendered Perceptions for Identifying Ecosystem Services in the Arid Ecosystem of Wadi Araba in Jordan. Journal of Environmental Management and Trousim. DOI: [https://doi.org/10.14505/jemt.v13.3\(59\).01](https://doi.org/10.14505/jemt.v13.3(59).01), ISSN 2068-7729.
7. Joachim R. de Miranda, Laura E Brettell, Nor Chejanovsky, Anna K. Childers, Anne Dalmon, Ward Deboutte, Dirk C de Graaf, Vincent Doublet, Haftom Gebremedhn, Elke Genersch, Sebastian Gisder, Fredrik Granberg, **Nizar Jamal Haddad**, Rene Kaden, Robyn Manley, Jelle Matthijssens, Ivan Meeus, Hussein Migdadi, Meghan O. Milbrath, Fanny Mondet, Emily Remnant, John M. K. Roberts, Eugene V. Ryabov, Noa Sela, Guy Smagghe, Hema Somanathan, Lena Wilfert, Owen N. Wright, Stephen J. Martin, and Brenda V. Ball. (2022). Cold case: The disappearance of Egypt bee

- virus, a fourth distinct master strain of deformed wing virus linked to honeybee mortality in 1970's Egypt. De Miranda et al. *Virology Journal*. <http://doi.org/10.1186/s12985-022-01740-2>.
8. Amani Al Assaf, Abeer Albalawneh, Mohammad Majdalawi, Lana Abu Nowar, Rabab kabariti, Amgad Hjazin, Safaa Aljaafreh, Wafa'a Abu Hammour, Mai Diab, and **Nizar Haddad**. (2021). Local Communities' Willingness to Accept Compensation for Sustainable Ecosystem Management in Wadi Araba, South of Jordan. *Sustainability*. <http://doi.org/10.3390/su13095190>.
 9. Khaleel I. Jawasreh, **Nizar Haddad**, Ahmad Abu Lubbad, Ahamad Amareen. (2021). Genome-Wide Association Study for Milk Production of Awassi sheep in Jordan. *Journal of the Saudi Society of Agricultural Sciences*. <http://doi.org/10.1016/j.jssas.2021.09.006>.
 10. Lubna Al Mahasneh, Doaa Abuhamoor, Khaldoun Al Sane, **Nizar Jamal Haddad**. Sep (2021). Assessment and Mapping of Flash Flood Hazard Severity in Jordan. *International Journal of River Basin Management*. <http://doi.org/10.1080/15715124.2021.1981354>, accepted 5 September 2021.
 11. Assia HABBI-CHERIFI, Nouredine ADJLANE, Ferroudja MEDJDOUB-BENSAAD, Ouardia LAKHDARI, **Nizar HADDAD**. (2021). Preliminary Trials of the Efficacy of Propolis in the Control of the *Varroa destructor* (Mesostigmata: Varroidae) Ectoparasite of the Honey Bee *Apis mellifera intermissa* (Hymenoptera: Apidae). *Mellifera* 2021, 21(1):49-58.
 12. Amarin, R.; Kafawin, O.; Ayad, J.; Al-Zyoud, F.; **Haddad, N.**; and Amarin, A. (2021). Performance of chrysanthemum *Chrysanthemum morifolium* Ramat (CV. Balady) in different saline water irrigated soils and growing media. *Jordan Journal of Agricultural Sciences*, Volume 17, No. 2.
 13. **Nizar Haddad**, Hussein Migdadi, Mohammad Brake, Salam Ayoub, Wisam Obeidat, Yahya Abusini, Abeer Aburumman, Banan Al-Shagour, Eman Al-Anasweh, Monther Sadde. (2021). Complete chloroplast genome sequence of historical olive (*Olea europaea* subsp. *Europaea*) cultivar Mehras, in Jordan. *Mitochondrial DNA Part B*, ISSN: (Print) (Online) Journal homepage: <http://www.tandfonline.com/loi/tmdn20>.
 14. Hussein Migdadi, **Nizar Haddad**, Ruba AlOmari, Mohammad Brake, Mustafa Shodifat, Sadeer Amasha, Monther Sadde. (2021). Re-sequencing of Whole Genome Jordanian Awassi Ewes using Hiseq Sequencing Technology: Major Step towards Sheep Gnostic Selection. *Indian Journal of Animal Research*, B-1371 [1-6].
 15. Mohammad H. Brake, Hussein M. Migdadi, Monther T. Sadde, Sami Awabdeh, Khaleel Jawasreh, Wisam Obeidat, Ruba Al Omari & **Nizar Haddad**. (2021). Complete mitochondrial genome sequence of Awassi-Jo sheep breed (Ovisaries) in Jordan. *Mitochondrial DNA Part B*, ISSN: (Print) (Online) Journal homepage: <http://www.tandfonline.com/loi/tmdn20>
 16. Mohammad H. Brake, Moath A. Al Gharaibeh, Hassan R. Hamasha, Nuha S. Al Sakarneh, Ibrahim A. Alshomali, Hussein M. Migdadi, Muien M. Qaryouti, **Nizar Haddad**. (2021). Assessment of genetic variability among Jordanian tomato landrace using inter-simple sequence repeats markers. *JJBS (Jordanian Journal of Biological Sciences)*, Volume 14, Number 1, March 2021. ISSN 1995-6673, pages 91-95.

17. ADJLANE Nouredine, **HADDAD Nizar**. (2021). Prévalence et répartition de la bactérie *Pannibacillus larvae* (Agent causal de la Loque américaine) au niveau de quelques ruchers de la région centre d'Algérie. *Revue Nature et Technologie* (<http://www.univ-chlef.dz/revuenatec>), ISSN: 1112-9778 - EISSN: 2437-0312, Forme révisée accepté le: 09/02/2021
18. **Nizar Haddad**, Lubna Al Mahasneh, Doa'a Abu Hamour, Naem Mazahrih, Sana'a Al Yousef. (2021). Water Harvest Map - A study to identify suitable sites for the application of water harvesting techniques in the treasury lands.
19. **Nizar Haddad**, Naem Mazahrih, Lubna Al Mahasneh, Doa'a Abu Hamour, Rasha Abu Rukbe, Abeer Al Balawneh, Sana'a Al Yousef. (2021). Agricultural Map - a study for the purposes of defining arable lands within the treasury lands- a technical report.
20. Adjlane Nouredine, **Haddad Nizar**. (2020). *Varroa destructor* (Acari: Parasitiformes: Varroidae) a dangerous parasite of honey bees (Hymenoptera: Apidae). [http://doi.org/10.33307/](http://doi.org/10.33307/ENTOMON)ENTOMON 45(3):159-170 (2020), Article No. ent. 45301.
21. **Nizar Haddad**, Lubna Al Mahasneh, Doaa Abu Hammour, Sana'a Al Yousef. (2020) "Assessment and Mapping of flash Floods' Hazard Severity in Jordan, and Probability of Flooding Frequency and Occurrence". Deposit Number for the Department of the National Library (4677/11/2020), issued by NARC.
22. Nouredine. Adjlane, Redha. Smaoui and **Nizar. Haddad**. (2020) Study of the Efficacy of Oxalic Acid and Thymovar (Thymol) against the parasitic Mite of the Honey Bee, *Varroa destructor*. *Egyptian Academic Journal of Biological Sciences, Egypt. Acad. J. Biolog. Sci. (A. Entomology)* Vol. 13(4):87-94 (2020), ISSN 1687-8809.
23. Reham W. Tahtamouni, Hana Danaa, Tamadour Al-Qudah, Ayman Mazahreh, Rida A. Shibli, **Nizar Haddad**, Tamara S Al-Qudah. (2020) Attitudes of Undergraduate Students in Three Jordanian Universities towards Climate Change Impacts on Agriculture and a Proposed Educational Course about Climate Change. *Fresenius Environmental Bulletin*.
24. **N. Haddad**, H. Migdadi, R. Al Atiyat, K. Jawasreh, S. Awabdeh, W. Obeidat, R. AlOmari, M. Aldamra, H. Ababneh, M. J. Tabbaa, M. Brake. (2020) Whole Genome Resequencing of Jordanian Rams (*ovisaries*) Using Hiseq Sequencing Technology: The First Step towards Sheep Genomic Selection. *Genetic and Molecular Research Journal*.
25. Ahmed H. Menail, Wided F. Boutefnouchet-Bouchema, **Nizar Haddad**, Clauvis N.T. Taning, Guy Smagghe, and Wahida Loucif-Ayad. (2020) Effects of thiamethoxam and spinosad on the survival and hypopharyngeal glands of the African honey bee (*Apis mellifera intermissa*). *Entomologia Generalis*. Published online February 2020.
26. Adjlane Nouredine, Habbi-Cherifi Assia, **Nizar Haddad**, BazAhcen. (2019) Prevalence of acariosis in honeybee colonies of *Apis mellifera intermissa* in Algeria. *Journal of Entomological Research* 42(4):451. DOI: 10.5958/0974-4576.2018.00075.0.
27. Habbi-Cherifi A., Adjlane N., Medjdoub-Bensaad F., **Haddad, N.** (2018) Efficacies of Chemical and Biological Products Employed in the Integrated Treatment of *Varroa destructor* in Algeria.

Bulletin of Pure and Applied Sciences. Vol.37A (Zoology), No.2, P.85-91. Print version ISSN 0970 0765. Online version ISSN 2320 3188. DOI 10.5958/2320-3188.2018.00011.6.

28. **Nizar Haddad**, Lisa Horth, Banan Alshagour, Adjlane Nouredine, Loucif Wahida. (2018) Next-generation sequence data demonstrate several pathogenic bee viruses in Middle East and African honey bee subspecies (*Apis mellifera syriaca*, *Apis mellifera intermissa*) as well as their cohabiting pathogenic mites (*Varroa destructor*). *Virus Genes* 54(1). DOI: 10.1007/s11262-018-1593-9.
29. Nouredine Adjlane, Mohammed Wafdi, **Nizar Haddad**. (2018) Développement de l'acarienvarroa destructor Anderson & Truemandans les colonies d'abeilles locales *Apis mellifera intermissa* Buttet-Ruependans la zone semi-aride de l'Algérie.
30. **Nizar Haddad**, Nouredine ADJLANE, Deepti SAINI, Athul MENON, Venkatesh KRISHNAMURTHY, Devan JONKLAAS, J. Paul TOMKINS, Wahida LOUCIF-AYAD, and Lisa HORTH. (2018). Whole-genome sequencing of North African honey bee *Apis mellifera intermissa* to assess its beneficial traits. *Entomological Research*, <http://doi.org/10.1111/1748-5967.12272>, pages 174-186.
31. Nouredine Adjlane, **Nizar Haddad**. (2017) A bibliographic review on the most dangerous diseases of the honey bee. Review. Article *Bio-Science Research Bulletin*, Vol. 33 No.2, July-December: P.85-99. DOI 10.5958/2320-3161.2017.00011.6.
32. **Nizar Haddad**, Nouredine Adjlane, Wahida Loucif-Ayad, Abhinandita Dash, Naganeeswaran S., Balaji Rajashekar, Kosai Al-Nakeeb, Thomas Sicheritz-Ponten. (2017) Mitochondrial genome of the North African Sahara Honeybee, *Apis mellifera sahariensis* (Hymenoptera: Apidae). *Mitochondrial DNA Part B Resources*, 2:2, 548-549, DOI:10.1080/23802359.2017.1365647.
33. **Nizar Haddad**, Al-Gharaibeh, M., Nasher, A., Anaswa, E., Alammari, Y., Horth, L. (2017). Molecular detection of pathogens in unhealthy colonies of *Apis mellifera jementica*. *Apidologie*. July, DOI: 1007/s13592-017-0530-6.
34. Horth, L., **Nizar Haddad**, Nasher, A., (2017). *Apis mellifera jementica* in Yemen. *Bee World*, volume 94, issue 3. <https://doi.org/10.1080/0005772X.2017.1345225>, Pages 66-68, published online: 11 Aug 2017.
35. **Nizar Haddad**, Nouredine Adjlane, Deepti Saini, Athul Menon, Venkatesh Krishnamurthy, Devan Jonklaas, Paul Tomkins, Wahida Loucif-Ayad, Lisa Horth (2017) Whole Genome sequencing of North African honey bees, *Apis mellifera intermissa* to assess its beneficial traits. *Entomological Research*. Vol. 48, no. 3, p. 174-186.
36. **Nizar Haddad**, Kosai Al-Nakeeb, Bent Petersen, Love Dalén, Nikolaj Blom & Thomas Sicheritz-Pontén (2017) Complete mitochondrial genome of the Oriental Hornet, *Vespa orientalis* F. (Hymenoptera: Vespidae), *Mitochondrial DNA Part B*, 2 (1):139-140pp.
37. Nouredine Adjlane, **Nizar Haddad** (2017) bibliographic review on the most dangerous diseases of the honey bee. *Bio-Science Research Bulletin*, Vol. 33 No.2, July-December 2017: P.85-99. DOI 10.5958/2320-3161.2017.00011.6.

38. Nouredine ADJLANE, **Nizar Haddad** (2017) Evaluation of the resistance of the mite *varroa destructor* to the amitraz in colonies of honey bees (*Apis Mellifera*) In Algeria. *Uludag Bee Journal* May 2017, 17 (1): 1-6
39. N. ADJLANE L.M. HADJ ALI, M. BENAMARA, O. BOUNADI, **N. Haddad**; Qualitémicro biologique du pollen produit par les apiculteurs et commercialise enAlgérie, *Rev. Microbiol. Ind. San etEnvironn.* Vol 11, N°1, p :31-39 ADJLANE et al., 2017
40. Amin Eimanifar, Rebecca T. Kimball, Edward L. Braun, Dahi M. Moustafa, **Nizar Haddad**, Stefan Fuchs, Bernd Grünewald, James D. Ellis (2016) The complete mitochondrial genome of the Egyptian honey bee, *Apis mellifera lamarckii* (Insecta: Hymenoptera: Apidae), *Mitochondrial DNA Part B*, 2 (1):270-272pp.
41. Nouredine Adjlane, Karima Belkadi, Naima Mecheri, Hanane Ridane & **Nizar Haddad**. (2016) Study of the susceptibility of bacteria *Paenibacillus* larvae. Causative agent of American foulbrood at oxytetracycline antibiotic. *Rev. Sci. Technol., Synthèse* 33: 48 - 55.
42. Nouredine Adjlane, **Nizar Haddad**. (2016) Effect of Some Honeybee Diseases on Seasonal Mortality of *Apis mellifera intermissa* in Algeria Apiaries. In *Proceedings of the Zoological Society* (pp. 1-5). DOI: 10.1007/s12595-016-0188-5.
43. Adjlane Nouredine, **Nizar Haddad**. (2016). Epidemiological diagnostics of *Nosema apis*. *El Wahatpour les Recherches et les Etudes*. 9(1):79-88pp.
44. **Nizar Haddad**, Fares Khoury, Alaa Tellawi, Nouredine Adjlane. (2016) Screening the Efficacy of Different Anti-biotic Against American Foulbrood in Jordan. *An - Najah University Journal of Research. (Natural Sciences)*.30 (2): 233-250pp, Vol. 30(2).
45. Adjlane Nouredine, **Nizar Haddad**, Ounesse Tarek. (2016) Effectiveness of Treatments with Thymol in Controlling *Varroa Destructor* Parasite of the Honey Bee in Algeria. *Bulletin of Pure and Applied Sciences - Zoology*.Vol.35 A (Zoology), Issue (No.1) 2016: P.1-7.
46. **Nizar Haddad**, Ahmed Batainh, Deepti Saini, Osama Migdadi, Mohamed Aiyaz, Rushiraj Manchiganti, Venkatesh Krishnamurthy, Banan Al-Shagour, Mohammad Brake, Lelania Bourgeois, Lilia De Guzman, Thomas Rinderer, Zayed Mahoud Hamouri. (2016) Evaluation of *Apis mellifera syriaca* Levant region honeybee conservation using comparative genome hybridization. *Genetica*. 144(3):279-87pp.
47. Nouredine Adjlane, El-Ounass Tarek, **Nizar Haddad**. Evaluation of Oxalic Acid treatments against the Mite *Varroa destructor* and Secondary Effects on Honey Bees *Apis mellifera*. *J J Arthropod-Borne Dis*, December 2016, 10(4): 501–509
48. **Nizar Haddad**, Al-tellawi A., Nouredine A., Khoury F. (2016) Diagnosis of *Paenibacillus larvae* Honeybees Disease in Jordan Using PCR Techniques. *Journal of Material and Environmental Sciences*. 7(12): 4534-4539pp.
49. Nouredine Adjlane, and **Nizar Haddad** (2016) Biochemical Changes in the Bee Hemolymph Following Treatment with Amitraz and Tau-Fluvalinate. *Scientific Abstract in - International Journal of Chemical, Environmental and Biological Sciences (IJCEBS)*. 4 (1): 57p.

50. Adjlane Nouredine, **Haddad Nizar**. Les virus infectants l'abeille mellifère; pathogénies, symptômes et impacts sur la colonie d'abeille *Revue Agriculture*. 10 (2015) 4 – 10.
51. **Nizar Haddad**, Adjlane Nouredine, Banan Al-Shagour, Wahida Loucif-Ayad, Mogbel A. A. El-Niweiri, Eman Anaswah, Wafaa Abu Hammour, Dany El-Obeid, Albaba Imad, Mohamed A. Shebl, Abdulhusien Sehen Almaleky, Abdullah Nasher, Nagara Walid, Mohamed Fouad Bergigui, Orlando Yanez and Joachim R. de Miranda. (2015) Distribution and variability of deformed wing virus of honeybees (*Apis mellifera*) in the Middle East and North Africa. *Insect Science*. 24 (1): 103-113pp. DOI: 10.1111/1744-7917.12277
52. **Nizar Haddad**, Al-tellawi A., Nouredine A., Khoury F., Quddoumi S. (2015) Diagnosis of *Paenibacillus larvae* Honeybees Disease in Jordan according to Microbiological and Chemicals Techniques. *Asian Journal of Animal Sciences*. 63(6):442-449pp. DOI: 10.3923/ajas.2015
53. de Miranda J., Cornman R., Evans J., **Nizar Haddad**, Neumann N, Gauthier L. (2015) Genome characterization, prevalence and distribution of a Macula-like virus from *Apis mellifera* and *Varroa destructor*. *Viruses* 7(7):3586-3602pp.
54. **Nizar Haddad**. (2015) Mitochondrial genome of the Levant Region honeybee, *Apis mellifera syriaca* (Hymenoptera: Apidae). *Mitochondrial DNA Journal*. 27 (6): 4046-4068pp.
55. Adjlane, N. and **N. Haddad**, 2014. Detection of deformed wing virus in the local bee colonies *apis mellifera intermissa* in Algeria and its relationship with varroa destructor. *Mellifera*, 28: 3-10.
56. **Nizar Haddad**, Wahida Loucif-Ayad, Adjlane Nouredine, Deepti Saini, Rushiraj Manchiganti, Venkatesh Krishnamurthy, Banan AlShagoor, Ahmed Mahmud Batainh, Raja Mugasimangalam. (2015) Draft genome sequence of the Algerian bee *Apis mellifera intermissa*. *Genomics Data*. 4 (2015) 24–25pp.
57. **Nizar Haddad**, Batainh Ahmed, Migdadi Osama, Deepti Saini, Venkatesh Krishnamurthy, Sriram Parameswaran, Alhamuri Zaid. (2015) Next generation sequencing of *Apis mellifera syriaca* identifies genes for Varroa resistance and beneficial beekeeping traits. *Insect Science*. 23 (4): 579–590pp.
58. **Nizar Haddad**. (2014) First Detection of Nosemaceranae in Jordan. *European Scientific Journal*. 10(35), 91-96pp.
59. N. ADJLANE, S. KECHIH, **N. HADDAD** (2014) Recherche de paenibacillus larvae dans different composants de la ruche. *Rev. Microbiol. Ind. San et Environn. Vol 8, N°1, p: 89-98*.
60. Andreas Wallberg, Fan Han, Gustaf Wellhagen, BjørnDahle, Masakado Kawata, **Nizar Haddad**, Zilá Luz PaulinoSimões, Mike H All sopp, Irfan Kandemir, Pilar De la Rúa, Christian W Pirk, Matthew T Webster. (2014) A worldwide survey of genome sequence variation provides insight into the evolutionary history of the honeybee *Apis mellifera*. *Nature Genetics*. 46(2016): 1081–1088pp.
61. Peng Hu, Zhi-Xiang Lu, **Nizar Haddad**, Adjlane Nouredine, Wahida Loucif-Ayad, Yong-Zhi Wang, Ren-Bin Zhao, Ai-Ling Zhang, Xin Guan, Hai-Xi Zhang, HuaNiu. (2014) Complete mitochondrial genome of the Algerian honeybee, *Apis mellifera intermissa* (Hymenoptera: Apidae). *Mitochondrial DNA*. 27 (3) 1791-1792pp.

62. Adjlane N; **Nizar Haddad**, Kechih S. (2014) Comparative Study between Techniques for the Diagnosis of American Foulbrood (*Paenibacillus larvae*) in Honeybee Colony. Journal of Animal and Veterinary Advances. 13(16):970-973pp.
63. Adjlane N; **Nizar Haddad**, Karima Laid; A, Saida K; Moussaoui D. (2014) Physicochemical and Microbiological Characteristics of some Samples of Honey Produced by Beekeepers in Algeria, Acta Technologica Agriculturae, 17(1):1-5 pp.
64. Adjlane N; **Nizar Haddad** (2014) Recherche De Paenibacillus Larvae Dans Differnts Composants De La Ruche. R evue de Microbiologie Industrielle Sanitaire et Environnementale. 8(1):89-98pp.
65. Mohammad Brake, Hussein Migdadi, Moath Al-Gharaibeh, Salam Ayoub, **Nizar Haddad**, Ahmad El Oqlah. (2014) Characterization of Jordanian olive cultivars (*Olea europaea* L.) using RAPD and ISSR molecular markers. Scientia Horticulturae. 8 (179): 282 – 289pp.
66. Shammout A, **Haddad Nizar**, Abu obeid O. (2014) The Monetary Value of Ecosystem Services Provided by Insects, "A case study for selected crops in Jordan". Jordan Journal of Agricultural Sciences. 10(1): 16-33 pp.
67. Adjlane, N., **Haddad, N.**, The first data on hygienic behaviour of *Apis mellifera intermissa* in Algeria. Journal of Biology and Earth Sciences 2014 4(1): B1 -B5
68. Adjlane N; **Nizar Haddad**, O. Tarek. (2013) Evaluation of the different acaricides against *Varroa destructor* on *Apis mellifera intermissa* in Algeria, Acarina; Vol. 21(2):141-146 pp.
69. **Nizar Haddad** and Jürgen Tautz. (2013) HOBOS Honey Bee Online Studies. A Tool for Education and Cross-Cultural Dialogue, Bee World Journal. 90(4): 101-102 pp.
70. Adjlane N, Ameur k., Lecksir N., Ghdarabi N., **Nizar Haddad**. (2013) Detection of *Paenibacillus larvae* Spores in Honey Samples from Beekeepers of the Central Region of Algeria. Journal of Microbiology, Biotechnology and Food Sciences. 3 (1) 81-83 pp.
71. **Nizar Haddad**, Azzedine Chefrour, Moath Algharibeh, Wahida Loucif-Ayad. (2013) First detection of Deformed Wing Virus of honeybees in Algeria. Phytoparasitica. 41(4): 445–447pp.
72. Adjlane, N., Chahbar, N., Maida, A., Doumandji, S., &**Haddad, N.** Note scientifiquesur les effetssecondaires de l’acideoxaliquesur l’abeilleouvrière (*Apis mellifera*): aspect biochimique (Scientific note on side effects of oxalic acid on the worker bee (*Apis mellifera*): biochemical aspect). J. Mater. Environ. Sci. 4 (4) (2013) 420-423
73. Adjlane N, Saliha K., Doumandji SE, **Nizar Haddad**. (2012) Survey of American Foulbrood in Mid-Northern Region of Algeria. Uludag Bee Journal. 12(3): 98-105pp.
74. Adjlane N, Doumandji SE, **Nizar Haddad**. (2012) Situation of beekeeping in Algeria: factors threatening the survival of local bee colonies *Apis mellifera intermissa*. Cahier Agriculture. 21(4):235-241pp.doi : 10.1684/agr.2012.0566
75. Noureddine ADJLANE, Saliha KECHIH, Salah-eddine DOUMANDJI, **Nizar HADDAD** survey of American foulbrood in *apis mellifera intermissa* colonies in mid-northern region of Algeria. Uludag Bee Journal August 2012, 12(3): 98-105 98.
76. Maha Syouf, **Nizar Haddad**. (2012) Utilization of Forest Biodiversity: Rewards of *Ceratonia Siliqua* L. for *Apis mellifera*. Bee Science / Uludag Bee Journal. 12(2): 62-67pp.

77. N. Adjlane, S. Doumandji SE, **Nizar Haddad**. (2012) The Prevalence of Nosemosis in *Apis mellifera intermissa* honey bee colonies in the Mediterranean region of Algeria. Lebanese Science Journal. 13 (1): 65-73pp.
78. **Nizar Haddad** (2011) Bee losses and Colony Collapse Disorder in the Middle East. UludagBee Journal. 11 (1): 17-24 pp.
79. **Nizar Haddad**. (2010) The Arab World, a Potential Market of the Mexican Beekeeping Products. 17th Congreso Internacional De Actualizacion Apicola. Tabasco, Mexico, 1(2010): 32p.
80. **Nizar Haddad**, Jose Luis Reyes Carrillo. (2010) Honey Bee Viruses, Diseases and Hive Management in the Middle East and their Relation to the Colony Collapse Disorder and Bee Losses. 17th Congreso Internacional De Actualizacion Apicola. Tabasco, Mexico, 1(2010): 104-109pp.
81. Robin F.A. Moritz, **Nizar Haddad**, Ahmed Bataieneh, Benny Shalmón, Abraham Hefetz. (2010) Invasion of the dwarf honeybee *Apis florea* into the near East. Biological Invasions. 12:1093-1099pp.
82. **Nizar Haddad**, Fuchs S, Hepburn R, Radloff S. (2009) *Apis florea* in Jordan: source of the founder population. Apidologie. 40 (4): 508-512pp.
83. **Nizar Haddad**, Meixner M, Fuchs S, Migdadi H, Sheppard W. (2009) Mitochondrial DNA variation in honeybees from Jordan, The Journal of Apicultural Research and Bee World, 48(1): 19-22pp.
84. **Nizar Haddad**. Brake M., Megdade, H., De Meranda J. (2008) The First Detection of Honeybee Viral Diseases in Jordan using the PCR. Jordan Journal of Agricultural Sciences. 4(30): 57-61pp.
85. **Nizar Haddad**, Reyes-Carrillo. JL, Hamadan. K, Chlebo. R, Alrawashde. M, Whitney. R, Holm. E, Bradbear, N. (2008) Beekeeping against poverty. 15th Congreso Internacional De Actualizacion Apicola. Mexico. 116-131pp.
86. **Nizar Haddad**, De Meranda J, Bataenah A., (2008) The discovery of *Apis Florea* in Jordan, Journal of Apicultural Research. 47(2):172-173pp.
87. **Nizar Haddad**, Esser J., Neumann P. (2008) Association of Cryptophagushexagonalis (*Coleoptera: Cryptophagidae*) with honey bee colonies (*Apis mellifera*). Journal of Apicultural Research. 47(3):190-191pp.
88. Dvory Namdar, Ronny Neumann, Yossi Sladezki, **Nizar Haddad**, Steve Weiner. 2007. Alkane Composition variations between darker and lighter colored comb beeswax. Apidologie. 38(5): 453-461pp.
89. **Nizar Haddad**, Dvorak.L. Adwan.O. Mdanat.H. Bataynah. (2007) A.: New data on *Vespid* wasp fauna of Jordan (*H. Vespidae*) Linzer Biol. Beitr. 39 (1): 137-142pp.
90. **Nizar Haddad**, Evans, J., Pettis, J., and Migdali, H. (2007) Genetic structure of varroa mite populations in *A. mellifera syriaca*. Advances in Environmental Biology, 1(1): 1-3pp.
91. **Nizar Haddad**, Fuchs S., A. Bataieneh (2006) Decrease of flight activity by *Vespa orientalis* at the flight entrance of *Apis mellifera syriaca* in Jordan. Proceedings of the Second European Conference of Apidology. (Short communication) page 77.

92. **Nizar Haddad**, Fuchs S., A. Bataieneh (2006) Decrease of flight activity by *Vespa orientalis* at the flight entrance of *Apis mellifera syriaca* in Jordan. Proceedings of the Second European Conference of Apidology. (Short communication) page 77.
93. **Nizar Haddad**, Fuchs, S., Haddaden, J., Kopelke, J.P. (2005) Record of *Sphecophagavesparum* Curtis, a natural enemy of the *Vespa orientalis* in the northern part of Jordan. Middle East Journal of Zoology. 35(1):114-116pp.
94. **Nizar Haddad** and Fuchs, S. (2004) Honeybee agro-biodiversity: A project in conservation of *Apis mellifera syriaca* in Jordan. Uludag Bee Journal. 2(2):166-120pp.
95. Musallam I.W., **Nizar Haddad**., Tawaha R.M., Migdadi O.S. (2004) The importance of bee-pollination in four genotypes of faba bean (*Vicia faba L.*). International Journal of Agriculture and Biology. 6(1): 231-241pp.
96. Kotlyarova O.G., **Nizar Haddad**, Kotlyarova E.G. (2002) Productivity and fodder quality of red clover in dependence on soil tillage and fertilizers on slopes. The Reports of Russian Academe of Agricultural Science. 3(2): 24-26pp.
97. Kotlyarova O.G., **Nizar Haddad**, Kotlyarova E.G. (2002) Honey productivity of red clover and the influence of the fertilizers and cultivation on the honey quality and quantity. The bimonthly book of the Russian Academe of Agricultural Science. 3(1): 33- 35pp.

Refereed Chapters in Books

1. **Nizar Haddad**, Lisa Horth 2017. Beekeeping in the Levant Region. **Asian Bee Book**. Springer, In Press (20 p).
2. **Nizar Haddad**, Albaba I. 2014. Example of some Middle East and North African countries quarantine requirements for the import of honey bees. **The Bee health and veterinarians. Examples of regional and national regulations**. Chapter 3. 24.- Standards and regulations. OIE. 285-289p.

Books and Booklets

1. **Nizar Haddad 2017**. Apiary Management. GIZ. 274p. In Arabic.
2. **Nizar Haddad 2016**. Good Beekeeping Practices Training Manual. LENS-USAID. 235p. In Arabic.
3. **Nizar Haddad 2015**. The Oak Whisper. Alaan press. 204p. In Arabic.
4. **Nizar Haddad et.al. 2014**. Honeybees and Medicinal Plants in Jordanian Environment. 200 p. Second Audition. In Arabic.
5. **Haddad. N. J. 2012**. Climatic Changes and Jordanian Food Security. Aldustoor press. Supported by HOBOS project. 208p. In Arabic.
6. **Nizar Haddad et.al. 2010**. Honeybees and Medicinal Plants in the Jordanian Environment. 200 p. First Audition. In Arabic.
7. **Haddad. N. J. 2009**. Introduction to Beekeeping. FAO. 54p. In Arabic.
8. **Haddad. N. J. 2009. Buzz about Bees**, Translated Book from English. 284p. In Arabic.

9. **Nizar Haddad et.al. 2008.** Medicinal Honeybee Plants in Jordan. NCARE. 119p. In Arabic.
10. **Nizar Haddad et.al. 2007.** Dictionary of Apicultural Terms. NCARTT. Jordan 105p. (English – Arabic Dictionary)
11. **Nizar Haddad;** Haddaden. J. 2004. The Small Hive Beetle. NCARE. 60p. In Arabic.
12. **Nizar Haddad;** Alkaed N. 2003. “Guide for some Honey bee plants in Jordan” Supported by the agro-biodiversity project.60p. In Arabic.
13. **Nizar Haddad;** Namer F.; Haddaden J. 2002. “Guide for Seasonal Honey Bee Keeping” Supported by J.B.S. 56p. In Arabic.
14. **Nizar Haddad;** Haddaden. J. 2002. “Pesticides Hazards on Honey Bee”, Dar al Sa’eb. Supported by Italian Project (RC). 60p. In Arabic.
15. **Nizar Haddad;** Shehade S. 2001. “Guide for Honey Bee Brood Disease” Dar al Sa’eb. Supported by Italian Project (RC). 60p. In Arabic.

PARTICIPATIONS AT CONFERENCES, WORKSHOPS AND EVENTS (EXAMPLES)

1. **Nizar Haddad**, 2023. Speaker at the World Olive Oil Exhibition (WOOE). Spain.
2. **Nizar Haddad**, 2023. Panelist in 3rd Digital Transformation Jordan. Ministry of Digital Economy and Entrepreneurship. Jordan.
3. **Nizar Haddad**, 2022. Speaker in the launching of Jordanian Olive Oil Sector Brand. CBI. France.
4. **Nizar Haddad**, 2022. Speaker in "the First Economic and Pioneering Amity Conference to enable Arab Investment and Business". Jordanian Iraq Amity Assembly. Jordan.
5. **Nizar Haddad**, 2022. Panelist on "Leveraging pluralism and market orientation in service provision for enhanced inclusivity and livelihood Panel" at the Regional Consultation: Transformative pathways for Rural Advisory Services in the Near East Region. FAO (Virtual).
6. **Nizar Haddad**, 2022. "The Origin of Mehras Olives" at the 115th session of the Council of Members of the International Olive Council (IOC). Jordan.
7. **Nizar Haddad**, 2022. "Launch of the Economic Modernization Vision: under the Royal Patronage of His Majesty King Abdullah II". Dead Sea. Jordan.
8. **Nizar Haddad**, 2022. Debator on "Beyond land governance frameworks and guidelines: localising security of tenure" session at the 2022 Global Land Forum (GLF)- Government and Civil Society Partnership Event. Dead Sea- Jordan.
9. **Nizar Haddad**, 2022. Lecture on "NARC efforts in confronting the challenges of the agricultural sector", at the First Environmental Camp under the slogan " Youth for a Safe Environment". RBG, INWRDAM, BAU. Jordan.
10. **Nizar Haddad**, 2022. Speaker in "saving soil as a generational responsibility", Indian spiritual leader Sadhguru in Amman, Jordan.
11. **Nizar Haddad**, 2022. "Programme for Jordan Policy Dialogues: Confronting the challenges of water scarcity to seek viable, sustainable, and prosperous options for Agriculture & water in 2050". Jordan.
12. **Nizar Haddad**, 2022. Trainer in Online Interactive Workshop: Opportunities in Agribusiness. Khalifa fund for Enterprise Development. UAE (virtual).
13. **Nizar Haddad**, 2022. Panelist of Case Study Deep Dives: 3 Reasons why Water-Food-Energy Nexus is Key for the Future! Water-Food-Energy Summit: Dubai Expo 2020. UAE (virtual).
14. **Nizar Haddad**, 2021. Panel Discussion organized by the MENAWARA project in the framework of the 5th Arab Water Forum. UAE.
15. **Nizar Haddad**, 2021. Discussion Session under the title "Digital transformation in government services", Institute of Public Administration in cooperation with the Government of the UAE. Jordan.
16. **Nizar Haddad**, 2021. Role of NARC to combat desertification. Organized by the Regional Center for Space Science and Technology Education for Western Asia / United Nations.

17. **Nizar Haddad**, 2021. CGIAR CWANA Region Kick-off meeting.
18. **Nizar Haddad**, 2021. High-level Meeting "A new vision for sustainable fisheries and aquaculture in the Mediterranean and the Black Sea". Organized by the General Fisheries Commission for the Mediterranean 'GFCM'.
19. **Nizar Haddad**, 2021. Dialogue entitled "How science, technology and innovation can transform agri-food systems in the Arab region". Arab Thought Forum. Jordan.
20. **Nizar Haddad**, 2021. Third National Conference for Food and Drug Industry. Jordan.
21. **Nizar Haddad**, 2021. Ad-hoc Meeting of GFCM Heads of Delegation. Organized by the General Fisheries Commission for the Mediterranean 'GFCM'.
22. **Nizar Haddad**, 2021. Biodiversity Conference. Organized by the Islamic World Academy of Sciences (IAS) and COMSTECH. Jordan.
23. **Nizar Haddad**, 2020. High-Level Meeting "Building together a new strategy for Mediterranean and Black Sea fisheries and aquaculture". Organized by the General Fisheries Commission for the Mediterranean 'GFCM'. Jordan.
24. **Nizar Haddad**, 2020. Workshop on "Innovation in the Public Sector - Global Practices and Applications", organized by King Abdullah II Center for Excellence in cooperation with GIMI Institute. Jordan.
25. **Nizar Haddad**, 2020. Speaker in the Arab Agriculture Day: Prosperity of rural communities: a necessity to achieve food security in the Arab region in light of the Corona virus pandemic, organized by League of Arab States "Arab Organization for Agricultural Development". Jordan.
26. **Nizar Haddad**, 2020. Panelist in the Webinar on "Treated Wastewater and Drainage Water Reuse for Agriculture Development in NENA region: THE STATE-OF-THE ART?". co- organized by IWMI-MENA, FAO-SNE and other organizations on Treated Wastewater (TWW).
27. **Nizar Haddad**, 2020. Dialogue session on "Innovation in Government Work", in cooperation with the Office of the Presidency of the Council of Ministers in the UAE and Mohammed bin Rashid Center for Governmental Innovation within the projects of strategic partnership in modernizing government action between the governments of the Hashemite Kingdom of Jordan and the United Arab Emirates. Institute of Public Administration in cooperation with the Government of the UAE. Jordan
28. **Nizar Haddad**, 2020. Presentation on "Using NDCs to create Economic Rural Opportunities in Jordan Rural Areas", Online Peer-to-Peer on Social Challenges of Climate Change in the Agriculture Sector- FAO, ILO, NDC PARTNERSHIP. Jordan
29. **Nizar Haddad**, 2020. Presentation introducing WEF in the MENA Region- Expo Trilateral WEF Summit, Jordan Investment Commission. Jordan.
30. **Nizar Haddad**, 2020. Seminar entitled "Scientific Agricultural Research. A Tool for Sustainable Development", Arab Thought Forum. Jordan.
31. **Nizar Haddad**, 2020. Seminar under the title "Adding value to citizens through better policies and management", Institute of Public Administration with the support of the European Union Management and Good Governance (SIGMA). Jordan.
32. **Nizar Haddad**, 2020. Government Communication Forum under the title "Government

- Communication and Harmony", Institute of Public Administration in cooperation with the Government of the UAE. Jordan
33. **Nizar Haddad**, 2020. Workshop on Creative Solutions to upgrade the Agricultural Sector in Jordan. Al Rakha'a Cooperative Association. Jordan
 34. **Nizar Haddad**, 2019. Workshop on Intellectual Property Rights for Innovation in Industrial and Agricultural Research Sectors in Support of Economic Development with ESCWA. Jordan
 35. **Nizar Haddad**, 2019. Regional Meeting on Promoting Food and Water Security in the Arab Region with ESCWA. Jordan
 36. **Nizar Haddad**, 2019. Workshop entitled "Leading Change", Institute of Public Administration in cooperation with the Government of the UAE. Jordan
 37. **Nizar Haddad**, 2019. Regional Dialogue on Biodiversity Mainstreaming across Agricultural Sectors, Near East and North Africa in collaboration with FAO. Jordan.
 38. **Nizar Haddad**, 2019. Second Jordan Economic Forum. Jordan.
 39. **Nizar Haddad**, 2019. Workshop on "Innovative and sustainable solutions to environmental challenges in Zarqa Governorate". Jordan.
 40. **Nizar Haddad**, 2019. TAIEX Workshop on Impact of Climate Change on Agriculture, Ecosystem and Food Security. Jordan.
 41. **Nizar Haddad**, 2019. International Workshop on "Sustainable Development of Arid Lands". Jordan.
 42. **Nizar Haddad**, 2019. Workshop on "Aligning the Strategic Goals of the National Agricultural Research Center (NARC) for the years 2019-2023 with the Sustainable Development Goals SDGs". Jordan.
 43. **Nizar Haddad**, 2018. First Annual Meeting of Abdul Hameed Shoman Foundation. Jordan.
 44. **Nizar Haddad**, 2018. SME Conference "Enhancing the economic and social performance of SMEs towards a new economic model". Jordan.
 45. **Nizar Haddad**, 2018. Eighth Scientific Agricultural Conference. Jordan.
 46. **Nizar Haddad**, 2018. Meeting of the 35th Session of the General Assembly of the Arab Organization for Agricultural Development. Jordan.
 47. **Nizar Haddad**, 2018. ESP Regional Conference MENA 2018 "Enhancing Ecosystem Services through Ecological Restoration for Nature and People". Jordan.
 48. **Nizar Haddad**, 2018. First International Agricultural Forum. Jordan.
 49. **Nizar Haddad**, 2017. Scientific Journals Selection for the Publication of Research Results. Jordan Science Society. Jordan.
 50. **Nizar Haddad**, 2017. Value of Bee Pollination Impact and Rewards of Wild and Cultivated Plants to the Beekeeping Sector in Jordan.
 51. **Nizar Haddad**, 2017. Ecosystems Services Valuation, Honey Bees, a Key of ESV Understanding. Introduction Ecosystems Services to University Curriculums. Jerash University- Jordan.

52. **Nizar Haddad**, 2016. Status of Native and Invasive Bees in Jordan. By GIZ - E-Values. Jordan.
53. **Nizar Haddad**, 2016. Contributions of the beekeeping sector to ecosystem services and society's awareness in Jordan. ES MENA conference. Jordan.
54. **Nizar Haddad et. al.**, 2015. Evaluation of *Apis mellifera syriaca* Levant region honeybee conservation using comparative genome hybridization. Apimonda 2015. Korea.
55. **Nizar Haddad**, 2015. Honey Bee Diseases. Salon International de L'Agriculture du Mechnisime Agricole at de la peche. 12- Edition. Tunisia.
56. **Nizar Haddad**, 2013. Varroa mite and honey bee virus, a vital threat to honey bee health. Salon International de L'Agriculture du Mechnisime Agricole at de la peche. 11- Edition. Tunisia.
57. **Nizar Haddad**, 2013. Honeybee colonies a super organism. Salon International de L'Agriculture du Mechnisime Agricole at de la peche. 11 Edition. Tunisia.
58. **Nizar Haddad**, Tautz Jeurgen. 2013. HOBOS (Honey Bee Online Studies) A Tool for Education and Cross-Cultural Dialogue. Apimodia. Ukraine.
59. **Nizar Haddad**, Gharaibeh Moath, Bataineh Ahmed, Megdadi Osama, Shagour Banan, Wahida Loucif, Adjlane Noureddine, Ahmed Najah Hussein, Joachim de Miranda 2013. Status of the DWV virus in the Middle East and North Africa region. Apimondia. Ukraine.
60. **Nizar Haddad**, Bataineh Ahmed, Megdadi Osama, Jeurgen Tautz, Fuchs Stefan. 2013. Observations on *Apis florea* in the Middle East and North Africa Region. Apimondia. Ukraine.
61. **Nizar Haddad**, Bataineh Ahmed, Megdadi Osama, Gharaibeh Moath, Shagour Banan. 2013. Conservation of *Apis mellifera syriaca* using classical and advanced methods. Apimondia. Ukraine.
62. **Nizar Haddad**, Tautz Jeurgen. 2013. The Use of Honey Bees as a Tool for Education. 20th Congreso Internacional De Actvalizacion Apicola. Culiacán Sinaloa, Mexico.
63. **Nizar Haddad**, 2013. Observations on *Apis florea*. 20th Congreso Internacional De Actvalizacion Apicola. Culiacán Sinaloa, Mexico.
64. **Nizar Haddad**. December 2012. Overview on the Jordanian Algerian collaboration in apiculture. Bleda Beekeepers Association. Algeria.
65. **Nizar Haddad**, Bataineh A, Megdadi O, Rinderer T, De GuzmanL, Tautz J. Fuchs S. September 2012. Observations on *Apis florea* in the Middle East and North Africa Region. The EurBee5. Halle, Germany.
66. **Nizar Haddad**. April 2012. The Use of Beekeeping as a tool for poverty alleviation. The 4th Agricultural conference Jerash University, Jordan.
67. **Nizar Haddad**. February 2011, Apiculture and Honey bee diseases research in Jordan, success story. Malaysian Agriculture Research and Development Institute, Malaysia.
68. **Nizar Haddad**. 2010. CCD and Bee Losses in the Middle East. The 4th. Black Sea Beekeepers conference. Turkey.
69. **Nizar Haddad**. 2010. Honey Bee Viruses, Diseases and Hive Management in the Middle East and their Relation to the Colony Collapse Disorder and Bee Losses. 17th Congreso Internacional De Actvalizacion Apicola. Mexico.

70. **Nizar Haddad.** 2010. The Arab World, A Potential Market of the Mexican Beekeeping Products. 17th Congreso Internacional De Actualizacion Apicola. Mexico.
71. **Nizar Haddad.** 2010. Beekeeping as income generating project for disable and Old people. The First Jordanian conference for Disable and old people. Jordan.
72. **Nizar Haddad.** 2010. The Introduction of the Internet Portal HOBOS (An Innovative Research and Learning Tool for Sustainable Development) To the Arab Countries. Higher Education in the 21st Century: Challenges and Futurism. World International Conference on Education, Amman, Jordan.
73. **Nizar Haddad,** A. Bataeneh, I. Albaba, Dany Obeid, Shelan Abdulrahman. 2009. Status of colony losses in the Middle East. 41st Congress Apimondia 2009, France.
74. **Nizar Haddad,** A revolving loan fund (RLF) providing small loans. 41st Congress Apimondia 2009, France.
75. **Nizar Haddad,** Review on *Vespa orientalis* Research in Jordan. 41st Congress Apimondia 2009, France.
76. **Nizar Haddad,** 2009. Are Honey Bees Good for Poverty Alleviation in Lebanon?. Al Safadi Foundation Scientific Day Lebanon.
77. **Nizar Haddad,** Fuchs S, Hepburn R, Radloff S. 2008. Morphometric analysis of *Apis florea* including new data from Jordan and Sudan. EurBee3 conference, Belfast UK.
78. **Nizar Haddad.** 2008. The availability of pollen to *Apis mellifera* colonies in the Middle East region. MARD Scientific Symposium. Jordan.
79. **Nizar Haddad.** 2008. Presence of *Vespa orientalis* at the flight entrance of *Apis mellifera syriaca* in Jordan decreases flight activity. 53 Jahrestagung der Arbeitsgemeinschaft der Institute für Bienenforschung. Germany.
80. **Nizar Haddad.** 2008. Beekeeping for Poverty Alleviation. 15th Congreso Internacional De Actualizacion Apicola. Mexico.
81. **Nizar Haddad.** 2008. Apiculture Research in Developing Countries, Sources of Funding. 15th Congreso Internacional De Actualizacion Apicola. Mexico.
82. **Nizar Haddad.** 2008. Biodiversity and conservation of *Apis mellifera syriaca* bees in Jordan. First International congress, Documenting, Documenting, Analysis and managing Biodiversity in the Middle East 20-23 October 2008. Jordan.
83. **Nizar Haddad.** 2008. Status of Bee viruses in Jordan. 56 Jahrestagung der Arbeitsgemeinschaft der Institute für Bienenforschung. Germany.
84. **Nizar Haddad.** 2007. Pollen availability, sources and there effect on the population dynamics of honey bee colonies in Jordan. IBRA International Conference on Recent Trends in Apicultural Science, p69 Mikkeli, Finland.
85. **Nizar Haddad,** J. Esser. P. Neumann. 2007. Association of *Crptophagus hexagonalis* (coleoptera: cryptophagidae) with honeybee (*Apis mellifera*) colonies. 40th Apimondia International Apicultural Congress (9th- 14 Sept.) 2007. Melbourne Australia.

86. **Nizar Haddad.** 2007. Genetic structure of Varroa mite population in *A. mellifera syriaca*. 40th Apimondia International Apicultural Congress (9th- 14 Sept.) 2007. Melbourne Australia.
87. **Nizar Haddad.** 2007. The economic value of honeybees for crop pollination in Jordan. 40th Apimondia International Apicultural Congress (9th- 14 Sept.) 2007. Melbourne Australia.
88. **Nizar Haddad.** 2007. Apiculture in Jordan. 40th Apimondia International Apicultural Congress (9th- 14 Sept.) 2007. Melbourne Australia.
89. **Nizar Haddad.** 2007. Pollen availability to *Apis mellifera* colonies in the Middle East region. 40th Apimondia International Apicultural Congress (9th- 14 Sept.) 2007. Melbourne Australia.
90. **Nizar Haddad.** 2007. First record of *Cryptophagus hexaonalis* (coleopteran: cryptophagidae) within the honeybee (*Apis mellifera*) colonies. IBRA International conference on Recent trends in Apicultural science. 10-14 June 2007. Mikkeli, Finland.
91. **Nizar Haddad.** 2007. Contribution to the vespid wasp fauna of Jordan (hymenoptera, vespidae). IBRA International conference on Recent trends in Apicultural science. 10-14 June 2007. Mikkeli, Finland.
92. **Nizar Haddad.** Fuchs S., Batainha A., 2006. Decrease of flight activity by *Vespa orientalis* at the flight entrance of *Apis mellifera syriaca* in Jordan. Second European conference of Apidology. 10-14 September 2006. Prague- Czech Republic.
93. **Nizar Haddad.** Eshrg.A. 2007.The ecology of the pollen gathering by the honeybee *Apis mellifera* at hashemeah area Jordan. The sixth Agricultural Scientific conference 9-12 April 2007. Amman, Jordan.
94. **Nizar Haddad.** 2006. Variation of mitochondrial DNA in honey bees of Jordan. Second European conference of Apidology. 10-14 September 2006. Prague- Czech Republic.
95. **Nizar Haddad,** Fuchs S. March 2005. Presence of *Vespa orientalis* at the flight entrance of *Apis mellifera syriaca* in Jordan decreases flight activity. 53. Jahrestagung der Arbeitsgemeinschaft der Institute für Bienenforschung. Germany.
96. **Nizar Haddad.** 2005. Presence of *Vespa orientalis* at the flight entrance of *Apis mellifera syriaca* in Jordan decreases flight activity. Apimondia, 22nd -24 August 2005. Dublin, Ireland.
97. **Nizar Haddad.** 2004. Conservation of *Apis mellifera syriaca* in Jordan. First European conference of Apidology. 19-23 September 2004. Udine- Italy.
98. **Nizar Haddad.** Kharala K. September 2004. The role of honey bees (*A.m. syriaca*) in the pollination of black cumin (*Nigella sativa*) EurBee1 Conference. Italy.
99. **Nizar Haddad.** 2003. Beekeeping in Jordan. DFG. Germany.
100. **Nizar Haddad.** 2002. Beekeeping a tool to fight hunger. Green Iraq Conference and Exhibition. 2002. Amman. Jordan.
101. Kotlyarova O.G, **Nizar Haddad.** 1999. Influence of agri techniques on some biometrical indices of red clover herbs. The 2nd International Scientific - Practical Conference "Problems of agricultural production on the modern stage and ways to solve them" Belgorod, – pp. 97. Russia.

102. Mikityuk V.V, **Nizar Haddad**. 1999. Influence of soil cultivation and fertilizers on the chemical composition of red clover nectar. The 2nd International Scientific Production Conference “Problems of agricultural production on the modern stage and ways to solve them” – Belgorod, - p.96. Russia.
103. **Nizar Haddad**. 1997. Influence of soil cultivation and fertilizers on the weed competition with red clover seeded on the slopes of the South-Western part of the Central Chernzem (Black Soil) Zone. Actual problems of land organization, land utilization and land evaluation: a compilation of report theses and communications of the Scientific-Practical Conference (Dec, 4-6 – 1996). Issue 2 – Moscow – Council of young scientists and specialists, CAA, – pp. 66-67. Russia.
104. **Nizar Haddad**. 1996. Red clover productivity and nectar quality in the soil-protecting crop rotations. Actual problems of land organization, land utilization and land evaluation: a compilation report theses and communications of the scientific-practical conference, CAA, – pp. 97-98. Russia.

RESEARCH VISITS (EXAMPLES)

1. 4-7 October 2016, Training of Trainers program on the Integrating Ecosystem Services into Development Planning. Eschborn, **Germany**.
2. 19-22 April 2016, Methods for integrating ecosystem services into policy, planning and practice, third regional Asia- Africa meeting. **Vietnam**.
3. 22-30 October 2011, Strengthen cooperation between NCARE, Old Dominion University- Virginia and USAID Washington DC, **USA**.
4. 3-6 October 2011, Workshop in the use of Real- Time PCR. Scotland, **UK**.
5. 1-15 March 2008, Molecular Population Genetics of Honeybees. Molecular Ecology Group, Institute of Biology, M.L.U. Halle, **Germany**.
6. 24 November- 12 December 2006, Molecular techniques of honey bee diseases diagnosis. United State Department of Agriculture. Bee Research Laboratory. Beltsville. **USA**.
7. 15 March- 5 April 2005. Honey bee breeding, genetics and physiology. United States Department of Agriculture, Agricultural Research Service, Honey Bee Breeding, Genetics and Physiology Laboratory. Baton Rouge, Louisiana. **USA**.
8. May- June 2004. Instrumental Insemination of Honey Bee Queens. Oberursel Bee Research Institute. **Germany**.
9. February- March 2003. Morphometric research of bee subspecies of Jordan. Oberursel Bee Research Institute. **Germany**.

SHORT MISSIONS ADVISOR AND TRAINING EXPERT (EXAMPLES)

1. USAID- LENS- Expert and Trainer of Using Beekeeping for Poverty Alleviation 2016.
2. USAID - Community Livelihoods Project (CLP)-Yemen. "Honey Market Assessment in Yemen" 2013.
3. USAID - Community Livelihoods Project (CLP)-Yemen. "Strengthening Yemen's Honey Sector for Future Generations" 2013.
4. JICA- Palestine - Short term beekeeping trainer and expert- since 2012 - 2017.
5. JICA- Iraq - Short term beekeeping trainer and expert- 2009 - 2017.
6. IAERP- Iraq Agriculture Extension Revitalization Project, Norman Borlaug Institute for International Agriculture, Texas A&M University System, USA. 2008.
7. FAO - Iraq - Beekeeping Trainer and Expert- 2006 - 2017.
8. (RC) Italy. Trainer and manuals development in beekeeping 2001-2002.

EXTERNAL PARTICIPATIONS

1. 24-25 July 2023. Regional meeting on the establishment of the Arab Forum for Rural Advisory Services (AFRAS): vision, mission and roadmap. **Egypt.**
2. 4-10 June 2023. HortiFuture Project Board of Experts Tour. **The Netherlands.**
3. 7-8 March 2023. CBI World Olive Oil Exhibition (WOOE). **Spain.**
4. 6 January 2023. AFD Annual Network Meeting. **France.**
5. 27-29 September 2022, Mission to complete the participation procedures and choosing the location of the Kingdom's pavilion at Expo Doha for the year 2023. **Qatar.**
6. 24-28 August 2022, 47th Apimondia International Apicultural Congress. **Turkey.**
7. 20-24 June 2022, Flood Mapping Study Tour. **Switzerland.**
8. 9-10 December 2019, The Water-energy-food nexus, from concept to implementation Seminar. **The Netherlands.**
9. 22-26 September 2019, Exploratory Tour to the Taiwan Agricultural Research Institute and other institutions. Taipei, **Taiwan.**
10. 23 June 2019, Meeting on "Sub-regional Consultations on the Second Performance Review of the GFCM". Cairo, **Egypt.**
11. 4-6 March 2019, ESCWA's Expert Group Meeting on "Green Technology Investments and Access on Sustainable Financing in the Arab Region". Beirut, **Lebanon.**
12. 3-10 November 2018, Study Tour "Sustainable Use of Ecosystem Services in Jordan (EKF-ESS) Project". **The Netherlands.**
13. 22-26 October 2018, Forty-Second Session of the General Fisheries Commission for the Mediterranean. Rome, **Italy.**
14. 5-7 October 2018, 11th Conference of the Union of Arab beekeepers. **Lebanon.**
15. 7-9 July 2018, Meeting of Agricultural Research and Extension Committee - Joint Egyptian-Jordanian Agricultural Committee. **Egypt.**
16. 28-30 March 2018, Transforming AARINENA's Capacity as a Multi-Stakeholder Futuristic Regional Forum on Research and Innovation for Development. Cairo, **Egypt.**
17. 10-11 December 2017, Transforming AARINENA's Capacity as a Multi-Stakeholder Futuristic Regional Forum on Research and Innovation for Development. Hammamet, **Tunisia.**

SKILLS AND COMPETENCIES

1. Experienced in cross-disciplinary research initiatives & collaboration.
2. A forward-thinker, with an open-minded approach.
3. Able to clearly & succinctly explain from organizational goals to specific tasks.
4. Strategic, operational management & planning abilities.
5. Ability to accomplish objectives at the minimum possible costs.
6. Strive to have key decision makers part of creating a 'pro-business' environment.
7. Possess critical thinking, strong business background, and good problem-solving skills.
8. Develop the center's local & international research profile & enhance partnerships leading the efforts in aligning NARC's strategic plan with UN SDGs.
9. Ensure close links with relevant professional, statutory & regulatory bodies that contribute to the required quality, accreditation training & development.
10. Develop the center's strategy, associated financial & operational plans in partnership with its staff, allocating the resources with clear objectives, goals.
11. Know how to link to the municipal, provincial and global economic development resources.
12. Able to monitor & adjust priorities on an on-going basis identifying critical tasks.
13. Have a sound moral standard of conduct, both in personal & professional contexts, having a basic interest in the well-being of others.
14. Provide leadership embracing the range of disciplines represented by providing a vision to encourage and support entrepreneurial & innovation activities.
15. Make decisions related to performance improvement & measurement such as planning, work allocation, guidance, counseling & monitoring to implement corrective actions
16. A well-developed understanding of priorities & strategies of relevant funding bodies. Experienced of financial planning & budgeting, resources' mobilization & fund raising. Identify & support opportunities for research within existing funding streams, & through multidisciplinary collaboration across & beyond NARC.
17. Able to engage internal & external stakeholders to collaborate in identifying problems & appropriate solutions, within agreed timetables & budgets.
18. Able to communicate on all levels. Create a steady flow of verbal & nonverbal exchanges of ideas & information, to work on being approachable & involving people from different levels.
19. Empower people to take ownership of their positions to nurture future leaders & high performers.
20. Develop thriving start-up operations of small enterprises from launch to success.

21. Able to promote excellence in knowledge exchange Strategic, operational management & planning.
22. Present lectures in international & local conferences, workshops and meetings.
23. Interpretation skills (Russian, English, & Arabic languages).

MEMBERSHIPS

1. Member of the National Committee of the International Hydrological Programme (IHP)- UNESCO's international scientific cooperative program in water research, water resource management, water education, and capacity- building- **2023**
2. Member of the Special Purchase Committee at the Ministry of Industry, Trade and Supply for the purposes of implementing the Jordanian Pavilion at the Doha Expo 2023 for Horticulture- **2023**
3. Vice President of AARINENA- Mahsreq Sub-region- **2022**
4. Member of the national committee for drought management- Prime Ministry- **2022**
5. Member of the advisory board for the management of the Royal Botanic Garden site as a special protection area- Royal Botanic Garden- **2022**
6. Member of Evaluation Committee (Expo Doha 2023 for Horticulture)- Prime Ministry/ Ministry of Investment- **2022**
7. Member of Board- Prince El Hassan bin Talal Faculty for Natural Resources and Environment, representing the local community - the Hashemite University- **2022**
8. Member of the steering committee for the project to train and employ Jordanians in the agricultural sector- **2021**
9. Member of Board of the National Center for Research and Development- **2021**
10. Member of the advisory board of the Jordan Journal of Agricultural Sciences (JJAS)- **2021**
11. Member of the National Committee for Science Ethics and Technology- Higher Council for Science and Technology- **2020**
12. Member of the Advisory Committee to follow up the application of the approved research and development model regarding the strategy related to the sustainability of the food and pharmaceutical sector- Prime Ministry- **2020**
13. Vice president of the Food Processing Committee- by Prime Ministry's Resolution- **2020**
14. Member of the National Science, Technology and Innovation Policy and Strategy Steering Committee (for the years 2020-2025)- Higher Council for Science and Technology- **2020**
15. Member of the committee to study proposals on developing the agricultural and water situation at Al Al-Bayt University- **2020**
16. National Focal Point for the Blue Peace in the Middle East Initiative (Majlis El Hassan; HRH Prince El Hassan Bin Talal)- **2020**
17. Observer in the Supreme Committee for Food- Jordan Food & Drug Administration- **2020**

18. Member of the Higher Preparatory Committee of the 2021 Global Land Forum in Jordan- **2019**
19. Member of Board- Faculty of Agricultural Technology- Balqa' Applied University for the academic year **2019-2020**
20. Member of the Advisory Board of Prince El Hassan bin Talal Faculty for Arid Lands- Hashemite University- **2019**
21. Member of the Technical Committee for the "proposal of agricultural and industrial projects using wastewater treated and extracted from purification plants from different regions of the Kingdom"- Ministry of Water & Irrigation- **2019**
22. Member of the National Advisory Committee for the Project on Healthy Ecosystems for Rangeland (HERD)- IUCN- **2019**
23. Chairman of the Panel of Referees of El Hassan Bin Talal Award for Scientific Excellence- Higher Council for Science and Technology- **2019**
24. Member of the Supervisory Committee of the National Fund for Enterprise Support (NAFES)- Higher Council for Science and Technology- **2019**
25. Member of Board- Faculty of Agriculture, representing the local community- Jordan University of Science & Technology- **2018**
26. Member of Board - Faculty of Agriculture- University of Jordan- for the academic year **2018-2019**
27. Member of the Ethics Committee- Jordan University Hospital- **2018**
28. Member of the Steering Committee of the Project "Small-ruminant Investments and Graduating Households in Transition (SIGHT) with IFAD- **since 2018**
29. Jordan's representative as a non-contracting party of FAO's General Fisheries Commission of the Mediterranean (GFCM)- **since 2018**
30. Member of Board- Faculty of Agriculture- Jordan University of Science & Technology- **2017**
31. Member of the Steering Committee of the Project "Rural Economic Growth and Employment Project" (REGEP) with IFAD- **2017**
32. Jordan's Focal Point of FAO's International Treaty on Plant Genetic Resources for Food and Agriculture (ITPGRFA)- **2017**
33. Chairman of the Steering Committee of Seeds' Propagation Project- **since 2017**
34. Member of the Central Committee for the purchase of local grain- **since 2017**
35. Member of the National Committee for Organic Farming- **since 2017**
36. Member of the National Committee for Biodiversity- **since 2017**
37. Member of the Supervisory Committee of the "Environment Compensation Program"- **since 2017**
38. Member of the Steering Committee of MOPIC's "Increasing the resilience of poor and vulnerable communities to climate change impacts in Jordan through Implementing Innovative projects in water and agriculture in support of adaptation to climate change" program with Adaptation Fund- **since 2017**

39. Representative of Mashreq Sub-Region of the Association of Agricultural Research Institutions in the Near East & North Africa (AARINENA)- **since 2017**
40. Vice President of Board- National Agricultural Research Center- **2017**
41. Member of the Jordanian National Committee for the Conservation of Nature.
42. Member of the Committee of Bee Honey in Jordan.
43. Member of the Jordanian Farmers' Union.
44. Member of the Jordan Society for Scientific Research.
45. Member of the Agricultural Engineers' Association.