



Mahdi Akhavan Moghaddam

Beekeeping Expert

I fell in love with bees when I was younger and learned many things with them and from them! Today, My love getting stronger day by day and the learning still continues...



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ACADEMIC DEGREES:

2017 - 2020	M.Sc. Animal Science (Honey Bee Breeding)	University of Tehran
2010 - 2012	B.Sc. Engineering of Plant Production	Islamic Azad University (KIAU)
2008 - 2010	A.S. Electronics Technician	Sadra Institute of Higher Education

CURRENT BEE-RELATED ACTIVITIES:

2007 - 2020	Professional Beekeeper
2016 - 2020	Queen Breeder
2014 - 2020	Beekeeping and Queen Breeding Lecturer
2010 - 2020	Apiary Management and Beekeeping Consultant
2018 - 2020	Iranian Honey Bee Association Member
2017 - 2020	Tehran Agricultural Engineering Organization Member
2016 - 2020	Tehran Beekeepers Cooperative (Board of Directors Member)
2019 - 2020	Beekeeping Consultant of the Ambassador of the Republic of Slovenia

TEACHING & EDUCATION:

2020	Lecturer - "Overwintering management principles" - Online course - https://eseminar.tv/wb16300
2020	Lecturer - "Introduction to beekeeping tools", "Screened bottom beehive, advantages and disadvantages in Iranian beekeeping", and "Hive transporting principles" - Educational videos - University of Tehran (In a joint project with coloss - Honey bee research association)
2020	Lecturer - "Queen breeding" - Alborz province agricultural engineering organization - IRAN
2020	Lecturer - "Spring management principles" - Qazvin beekeepers cooperative company - IRAN
2019	Lecturer - Retraining workshop for beekeepers - Qarchak - IRAN
2019	Facilitator and lecturer - Beekeeping workshop - Society for protection of working and street children (SPWSC) - Embassy of the Republic of Slovenia- IRAN
2019	Speaker - "Insects, disgusting saviors" - UT-TED event - University of Tehran - IRAN
2019	Lecturer - "Overwintering management principles" - Tehran province beekeepers union - Lavasan & Damavand - IRAN

- 2019 Speaker - "Honey bee colony, a flawless sample for team working" - UT-TED event - University of Tehran - IRAN
- 2018-20 Lecturer - Beekeeping courses - Alborz province agricultural engineering organization - IRAN
- 2017-20 Lecturer - Beekeeping principles courses - Zanboordaran Pishro Journal - Tehran - IRAN
- 2016-20 Workshop presenter - Advanced queen breeding workshops - Beekeeping cooperations - Several cities - IRAN
- 2016-20 Workshop presenter - Advanced queen breeding workshops - Ministry of agricultural jihad - IRAN
- 2016-19 Workshop presenter (Volunteer) - Beekeeping and hatchery workshops - Baqiatallah cultural center - Tehran - IRAN
- 2014-2019 Workshop presenter - Professional beekeeping workshops - Ministry of agricultural jihad - IRAN
- 2018 Workshop presenter (Volunteer) - "Science for teenagers" workshop - Baqiatallah cultural center - Tehran - IRAN
- 2013 Workshop organizer - "Honey Q.C. laboratory" workshop - Beekeepers association of Herat province - Afghanistan
- 2013 Scientific committee member - "Molecular genetics" workshop - National institute of genetic engineering and biotechnology (NIGEB) - Tehran - IRAN
- 2012 Scientific committee member - "Genetic engineering" workshop - Dana gene Co. - Tehran - IRAN
- 2012 Laboratory assistant - "Genetic engineering" workshop - Dana gene Co. - Tehran - IRAN

PUBLICATIONS:

- 2007-20 Honey bee and beekeeping blogger (in Farsi)
- URL: www.zanboorestan.blogfa.com
 - Compilation of 385 review and analytical articles applicable to Farsi-speaking beekeepers
 - More than 12000 readers from Iran, Afghanistan, and Tajikistan
- 2017-20 Making educational films for beekeepers (in Farsi)
- URL: www.aparat.com/beekeeper

RESEARCH:

Articles:

- 2019 Insects, disgusting saviors - UT-TED journal - No. 4 - 2019 (Autumn)
- 2019 Honey bee colony, a flawless sample for team working - UT-TED journal - No. 3 - 2019 (spring)
- 2016 Pseudo-Scorpion observation report on bee colonies in Tehran province- Journal of Beekeeping Industry - Ninth Year - Number 14 - 2016
- 2016 Demaree method, A Colony population management and swarm control method and Experimental Testing in Four apiaries in Different Provinces - Journal of Zanboordaran Pishro - Year One - Number One - 2016

Postgraduate course projects:

- 2019 An introduction to Caucasian honey bee - Supervisor: Dr. Hossein Moradi
- 2019 The Role of Protein in Bee Nutrition - Supervisor: Dr. Gholam Ali Nehzati
- 2019 Honey bee Sperm (Physiology, production & marketing) - Supervisor: Dr. Gholam Ali Nehzati
- 2018 Honey bee, an edible factory (Use of bees as a food source) - Supervisor: Dr. Gholam Ali Nehzati
- 2018 Nr_x-I gene and its role in hygienic behavior in honey bees - Supervisor: Dr. Hossein Moradi
- 2018 Stress response models in Honey Bee - Supervisor: Dr. Ahmad Zare Shahne

Other activities:

- 2016-20 Study on performance parameters of the honey bee colony in screened bottom beehives
- 2018 Establishing a field laboratory at the apiary site for instrumental insemination of queens and related qualitative analysis - My apiary - Kiga - Tehran - IRAN

EXECUTIVE ACTIVITIES:

- 2012-20 Invited member - Think tank of Tehran province agricultural jihad organization - IRAN
- 2014-16 Vice-chairman of the board of directors of Tehran beekeepers cooperative - IRAN
- 2015 Senior member of the planning committee and responsible for teenager workshops 8th IMI international congress - Mashhad & Tehran - IRAN
- 2014 Chief executive officer (CEO) of "Contemporary management" workshops for Iraqi health inspection staff - Tehran - IRAN
- 2012 Scientific committee assistant - 9th International junior science Olympiad (IJSO) - NIGEB - IRAN
- 2011 Executive committee member - "Molecular genetics laboratory" workshop - National institute of genetic engineering and biotechnology (NIGEB) - IRAN
- 2006-8 Duty manager - HonarAfarin music school - Tehran - IRAN

PARTICIPATION IN COURSES, CONFERENCES, AND WORKSHOPS:

- 2020 "Royal jelly production" webinar - 16 hours - Mohammad Reza Kouhi
- 2020 "New propolis production methods" webinar - 2 hours - Behzad Refahi & Shahram Dadgostar
- 2020 "Honey, standards and quality control methods" webinar - 2 hours - Behzad Refahi
- 2020 "Sustainable breeding strategies for the honey bee" workshop - Prof. Jeff Pettis & Dr. Esmail Amiri - Animal science research institute of IRAN
- 2020 "Review of honey bee disease" workshop - Prof. Fanni Hatjina & Dr. Rassul Bahreini - Animal science research institute of IRAN
- 2020 2nd International and 10th national Iranian honey bee research congress - Karaj - IRAN

- 2018 "Breeding strategies in honeybees" seminar - college of agriculture and natural resources - University of Tehran - IRAN
- 2017 "Laboratory safety" training course - college of agriculture and natural resources - University of Tehran - IRAN
- 2017 Participation in 45th Apimondia Congress - Istanbul - Turkey
- 2016 "Sustainable breeding strategies for the honey bee" workshop - Prof. Kaspar Bienefeld - Animal science research institute of IRAN
- 2016 "Review of honey bee disease" workshop - Prof. Wolfgang Ritter - Animal science research institute of IRAN
- 2016 1st International and 9th national Iranian honey bee research congress - Karaj - IRAN
- 2016 "Apitherapy" training course - Salmanshahr - IRAN
- 2014 "Bee health and disease" conference - Islamic Republic of Iran Broadcasting (IRIB) conference hall - Tehran - IRAN
- 2011 "Good laboratory practice (GLP)" course - National institute of genetic engineering and biotechnology (NIGEB) - IRAN
- 2010 "Molecular study of oxidative stress in plants" workshop - Karaj Islamic Azad University - IRAN
- 2009 "Commercial beekeeper (grade II)" course - Karaj - IRAN

ACHIEVEMENT/ACKNOWLEDGMENTS:

- 2019 Certificate of appreciation from the Embassy of the Republic of Slovenia in IRAN for conducting a beekeeping workshop for working and street children - IRAN
- 2019 Eminent speaker at UT-TED event - topic: "Insects, disgusting saviors" – University of Tehran - IRAN
- 2017-19 Certificate of appreciation from the Zanboordaran Pishro institute for holding different beekeeping training courses - IRAN
- 2019 Eminent speaker at UT-TED event - topic: "Honey bee colony, a flawless sample for team working" – University of Tehran - IRAN
- 2018 Certificate of appreciation from the agricultural jihad management of Tehran County for holding queen breeding workshop - IRAN
- 2016 Certificate of appreciation from the agricultural jihad management of Tehran County for effective cooperation as designer and lecturer of beekeeping courses - IRAN
- 2016 Certificate of appreciation from the agricultural jihad management of Kashan County for holding queen breeding workshop - IRAN
- 2014 Certificate of appreciation from the Ansar beekeepers association of Herat and Herat provincial management for providing extension and educational services to beekeepers - Afghanistan
- 2012 Letter of appreciation from Kan district council for beekeeping activities in the region Tehran/IRAN

- 2012 Certificate of appreciation from HonarAfarin music school for effective collaboration with the school
- 2011 Eminent beekeeper of Tehran County - IRAN
- 2011 Certificate of appreciation of the Kiga village council for beekeeping activities in the village - Tehran/IRAN

Expertise:

- 1) Microscopic diagnosis of bee diseases 2) Instrumental insemination 3) Queen breeding
4) Morphometric analysis 5) Honey bee dissection

COMPUTER SKILLS:

Microsoft Office (Word, PowerPoint & Excel)

AVS video editor

Mix Craft

SAS

Identify I-I

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LANGUAGE SKILLS:

Farsi (Persian): Fluent

English: Intermediate

Arabic: Basic familiarity