

Curriculum Vita

Naser Tajabadi

Address:

Honey Bee Department,
Animal Science Research Institute (ASRI),
31585-1483, Karaj, Iran
Office Phone: 0098-26-34456001
Cell. 0098-912-0939288
Email: ntajabadi@yahoo.com



Education:

Diploma: Livestock Affairs, University of Mazandaran, Iran (1988-1990).

B.Sc.: Agricultural Engineering – Animal Science, Azad University of Karaj, Iran (1992-1995).

MSc: Department of Agriculture Technology, Faculty of Agriculture, University Putra Malaysia, 43400, Serdang, Selangor, Malaysia (2008-2010).

MSc Thesis title: Comparison of lactic acid bacteria and bifidobacteria from honey stomachs and honeycombs of Giant honey bee (*Apis dorsata* F.) in Kedah and Terengganu, Malaysia. (Supervisor: Professor Dr. Makhdzir Mardan).

Ph.D: Department of Food Science, Faculty of Food Science and Technology, Universiti Putra Malaysia, 43400 Serdang, Selangor, Malaysia. (2011-2014)

Ph.D Thesis title: Development of Recombinant *Lactobacillus plantarum*-Harboring Glutamate Decarboxylase Gene and Its Application in Food Systems (Supervisor: Professor Dr. Nazamid Saari).

Position:

1. Research Scientist, Animal Science Research Institute (ASRI), Karaj, Iran (1994- present).
2. “Researcher Senior Promoter” of honeybee in Agricultural Research, Education and Extension Organization – Iran (2016- present).

3. Head of Department of Honey bee, Animal Science Research Institute (ASRI), Karaj, Iran (2015-2019).
4. Head of the beekeeping station and internal manager of Department of Honey bee, Animal Science Research Institute (ASRI), Karaj, Iran (1999-2008).

Cooperation with the following universities since 2008:

1. Faculty of Agriculture, Bu Ali Sina University of Hamadan, Iran.
2. Faculty of Agriculture, Mazandaran University, Iran.
3. Faculty of Agriculture Urmia University, , Iran.
4. Faculty of Agriculture Zabol University, , Iran.
5. Faculty of Agriculture, Azad University, Tehran Research Sciences Branch, Iran.
6. Faculty of Food Industry, Azad University, Tehran Research Sciences Branch, Iran.
7. Faculty of Basic Sciences Azad University, Central Tehran Branch, , Iran.
8. Faculty of Agriculture, Azad University, Varamin Branch, Iran.
9. Faculty of Agriculture, Department of Agricultural Technology, University Putra Malaysia, Malaysia.
10. Faculty of Food Technology, Department of Food Biotechnology, University Putra Malaysia, Malaysia.
11. Faculty of Molecular Science, Department of Biotechnology, University Putra Malaysia, Malaysia.

Professional Membership:

- Iranian Honeybee Scientific Society, Tehran, Iran (2005- present).
- Malaysian Society for Microbiology (ICMSM), Malaysia (2008- present).
- Scientific Core Group of Iranian Students in Biotechnology and Genetics, Malaysia (2011-present).
- Iranian Society of Probiotic and Functional Foods (2014-present).

Recent Awards:

- **Tajabadi Naser**. Top Technology of Agricultural Research, Education and Extension Organization 2019.
- Tahmasbi, Gh., M., Ebadi, R., Babaee, M., **Tajabadi, N.**, Afrouzan, H., Rezaee, H., Seyifi, E., Mashayekhi, N. 2018. Performance and behavioral improvement of honeybee colonies in nongovernmental apiaries by using the Iranian bred queens, Second Laureate Applied Research, 31st Khwarizmi International Award.
- Silver medal for presented to: **Tajabadi, N.**, Mardan, M., Abdul Manap, M.Y., Shuhaimi, M. Meimandipour, A. and Nateghi, L. for the invention/ innovation of “Detection and identification of *Lactobacillus* bacteria found in the honey stomach of the Giant honey bee *Apis dorsata*” 17-19 July 2012, PRPI 2012 University Putra Malaysia.
- Best presented to **Naser Tajabadi**, Seyed Abdollah Hosseini, Faegheh Feizabadi for Novel probiotic “*Enterococcus faecium*” 3th National conference on Probiotic & Functional Food, 7-9 February 2016, Tehran, Iran.

Patent:

- Production and optimization of γ -aminobutyric acid by recombinant *Lactobacillus plantarum* with enhanced extracellular GAD activity and its application in food systems. 2014. Malaysia.
- “Queen Bee spawning guidance system for royal jelly production” 2019. Iran.

Academic and Research Experiences: (Honeybee, Probiotic bacteria, Microbiology, Food Biotechnology,)

1. Investigating the role of honeybee and other pollinator insects in pollination of canola in Mazandaran province (2017-2018).
2. Effect of hygienic behavior in resistance of honey bee *Apis mellifera* L.(Hym.: Apidae) against the *Varroa* mite (2016-2017).
3. A selective breeding program for VSH and grooming behaviors in honey bee colonies resistant to *Varroa* mite (2016-2017).
4. Isolation and identification of Lactic Acid Bacteria (LAB) from gastrointestinal tract of honeybee *Apis mellifera* and *Apis florea* by using biochemical and molecular method (2015-2016).
5. The effect of probiotics in nutrition of honey bees on their gut microflora (2015-2016).

6. The effect of probiotics in nutrition of honey bees on honey production (2015-2016).
7. Honeybee breeding to improve over wintering trait of colonies in central provinces of Iran (Tehran, Markazi, Isfahan and Qazvin provinces) (2011-2015).
8. Honeybee breeding to improve the defence behavior of colonies in central provinces of Iran (Tehran, Markazi, Isfahan and Qazvin provinces) (2011-2015).
9. Honeybee breeding to improve the swarming trait of colonies in central provinces of Iran (Tehran, Markazi, Isfahan and Qazvin provinces) (2011-2015).
10. Development of Recombinant *Lactobacillus plantarum*- Harboring Glutamate Decarboxylase Gene and Its Application in Food Systems (2011- 2014).
11. Isolation and identification of LAB (probiotic bacteria) from honeycomb and honey stomach of honeybee (*Apis dorsata*) by using biochemical and molecular method (2008-2010).
12. The second and third phases of honey bee breeding and selection in the Central Alborz mountain area (2005-2008).
13. Effects of Neem extract on wax moth & *Varroa* mite (2000-2005).
14. Economic and Social survey on sericulture in Iran (2002-2003).
15. The survey on multivitamin effects on some silkworm characters (2000-2002).
16. The comparison Lab and Field tests in honey production (2000-2002).
17. Honey bee breeding and selection in the Central Alborz mountain area (1999-2002).
18. Phenotypic correlations between morphological and biological characters in central Iranian honey bee stock (1999-2001).
19. Feeding honey bees by supplements: proteins, carbohydrates, vitamins and minerals (1999-2001).
20. Effects of different vitamin C levels on brood rearing and honey production (1999-2001).
21. The comparison efficacy of inseminated and natural mated queens (1999-2001).
22. Main project on honeybee breeding in Iran (1998-2004).
23. The morphologic study on dwarf honey bee stocks in Iran (1997-1998).

24. Determine the phenotypic correlation between morphologic and biologic characters in Tehran province hives (1996-1998).
25. The study on kin's effects on some biologic and morphological characters in honey bees (1995-1997).

Workshops Attended:

1. Certificate of attended the “Review of honeybee diseases” present by **Dr. Fani Hatjina** in Second International and 10th National Iranian Honeybee Congress. January 22- 23, 2020, (Webinar). Animal Science Research Institute, Karaj, Iran.
2. Certificate of attended the “Sustainable honey bee breeding strategies” present by **Dr. Jeff Pettis** in Second International and 10th National Iranian Honeybee Congress. January 22- 23, 2020, (Webinar). Animal Science Research Institute, Karaj, Iran.
3. Certificate of attended the “Pests and diseases of honey bee” present by Prof. Dr. **Wolfgang Ritter**. First International and 9th National Iranian Honeybee Congress. 25th - 26th January, 2017 Karaj, Iran.
4. Certificate of attended the “Status and future of honey bee breeding” present by Prof. Dr. **Kaspar Bienefeld**. First International and 9th National Iranian Honeybee Congress. 25th - 26th January, 2017 Karaj, Iran.
5. Certificate of participation for the honey bee Queen rearing. 11-12 May 2016. Animal Science Research Institute, Karaj, Iran.
6. Certificate of participation for the Novel probiotic “*Enterococcus faecium*”. 3th National conference on Probiotic & Functional Food, 7-9 February 2016, Tehran, Iran.
7. Certificate of participation for the probiotics production benefits in the country. 3th National conference on Probiotic & Functional Food, 7-9 February 2016, Tehran, Iran.
8. Certificate of participation for the novel method for Royal Jelly production. 14-16 August 2015. Animal Science Research Institute, Karaj, Iran.
9. Certificate of presentation for the 11th AAA Conference and Apiexpo. 28 September-2 October 2012 Kuala Terengganu, Malaysia.
10. Certificate of participation for the Technique and Skill Improvement in using the ‘Integrated’ SAS and Excel Packages in Data handling, Statistical analysis, and the analysis output and presentation Workshop. 15-16 February 2012. Faculty of Medicine and Health Sciences, University Putra Malaysia.

11. Certificate of presentation for the National Bee Seminar and ApiExpo, 29 September-1 October 2011 Kuala Terengganu, Malaysia.
12. Certificate of presentation for the First Iranian Student's Scientific Conference in Malaysia. 9-10 April 2011, Kuala Lumpur, Malaysia.
13. Certificate of participation for Bioinformatics Applications in Agriculture. 28 February 2011. Faculty of Agriculture, University Putra Malaysia.
14. Certificate of presentation for the 7th Iranian Honeybee Seminar. 18th-19th January 2011, Karaj, Iran.
15. Certificate of participation for the 2nd International Conference on the Medicinal use of Honey. 13-15 January 2010. Kota Bharu, Kelantan, Malaysia.
16. Certificate of participation for the UPMISA International seminar. 5th January 2010. University Putra Malaysia International Students Association School of Graduate Studies and Centre for International Affairs, Malaysia.
17. Certificate of participation for the Endnote workshop. 19 May 2009. Faculty of Modern languages and communication, University Putra Malaysia.
18. Certificate of participation for the Publishing for postgraduates. 14-15 February 2009. School of Graduate Studies, University Putra Malaysia.
19. Certificate of participation for the DNA Markers: from Phenotype to Genotype. 2-3 February 2009. Faculty of science, University Putra Malaysia.
20. Certificate of participation for the Effective writing. 21-22 March 2009. Faculty of Modern languages and communication, University Putra Malaysia.
21. Certificate of participation for the 'ECOS' Transformation Technology. 26-27 March 2009. Department of Agriculture Technology, Faculty of Agriculture, University Putra Malaysia.
22. Certificate of participation for the International Congress of Malaysian Society for Microbiology. 1-4 December 2009 Penang, Malaysia.
23. Instrumental insemination of queen honey bee, Dr. Gencer (Turkey), ASRI, Karaj, Iran, 2003.
24. Bee genetics and breeding, Dr. K. Bienefeld (Germany), ASRI, Karaj, Iran, 1995.

Publications:

Book:

Bahreini, R. and N. Tajabadi, 2020. Anatomy and physiology of the honey bee. 352 pp.

Journals:

1. Feizabadi, F., Sharifan, A., **Tajabadi, N.** 2020. Isolation and identification of lactic acid bacteria from stored *Apis mellifera* honey. Journal of Apicultural Research. DOI: [10.1080/00218839.2020.1765490](https://doi.org/10.1080/00218839.2020.1765490)
2. Parichehreh, Sh., Tahmasbi, Gh., Sarafrazi, A., Imani, S., **Tajabadi, N.** 2020. Distribution modeling of *Apis florea* Fabricius 1973 (Hymenoptera, Apidae) in different climates of Iran.2020. Journal of Apicultural Research. DOI: [10.1080/00218839.2020.1775962](https://doi.org/10.1080/00218839.2020.1775962)
3. Parichehreh, Sh., Tahmasbi, Gh., Sarafrazi, A., Imani, S., **Tajabadi, N.** 2018. Isolation and identification of *Lactobacillus* bacteria found in the gastrointestinal tract of the dwarf honey bee, *Apis florea* Fabricius, 1973 (Hymenoptera: Apidae). Apidologie, DOI: 10.1007/s13592-018-0569-z.
4. Mehrnaz, Shanehchian., **Tajabadi, N.**, Leyla Nateghi. 2018. The study of probiotic properties of *Enterococcus faecium* and *Lactobacillus kunkeei* isolated from honey and its possibility to application in apple juice and grape juice. Applied Microbiology In Food Industries. 3 (3) 53-64.
5. Ghorbani, N., Nateghi, L., **Tajabadi, N.** 2018. Investigating the possibility of using *Lactobacillus plantarum* and *Lactobacillus kunkeei* isolated from honey in the preparation of probiotic pomegranate juice. Journal of Food Science and Technology. 76 (15) 13-23.
6. Tahmasbi, Gh., Babaei, M., **Tajabadi, N.**, Seyfi, E., Mashayekhi, N., Rezazadeh. H. 2018. The performance of improved honey bee colonies obtained from the thirteenth generation of Iranian queens and control colonies in different apiaries of Iran. Journal of Animal Production, 19(4):739-751.
7. Parichehreh, Sh., Tahmasbi, Gh., Sarafrazi, A., Imani, S., **Tajabadi, N.** 2017. Identification of *Enterococcus* bacteria found in the gastrointestinal of the dwarf honey bee, *Apis florea* Fabricius, 1973 (Hymenoptera: Apidae). Journal of Entomological Society of Iran. 37 (2) 263-272.
8. **Tajabadi, N.**, Ebrahimpour, A., Baradaran, A., Rahim, R.A., Abdul Manap, M.Y. Baker F.A. and Saari, N. 2015. Production and optimization of γ -aminobutyric acid by *Lactobacillus Plantarum* Taj-Apis362 isolated from honeybees. Molecules, 20:6654-6669.

9. **Tajabadi, N.**, Baradaran, A., Ebrahimpour, A., Rahim, R.A., Abdul Manap, M.Y., Baker, F.A. and Saari, N. 2015. Overexpression and optimization of glutamate decarboxylase in *Lactobacillus plantarum* Taj-Apis362 as a starter culture for high GABA production. *Microbial Biotechnology*.8(4): 623–632.
10. Mohammad Zarei, Rahele Ghanbari, **Naser Tajabadi**, Afshin Ebrahimpour, Azizah Abdul-Hamid, Fatimah Abu Bakar and Nazamid Saari. 2016. Generation, fractionation and characterization of iron-chelating protein hydrolysate from palm kernel cake proteins. *Journal of Food Science*, 81(2):341-347.
11. **Tajabadi, N.**, Mardan, M., Saari, N., Shuhaimi, M., Bahreini, R. and Abdul Manap, M.Y.2013. Identification of *Lactobacillus plantarum*, *Lactobacillus pentosus* and *Lactobacillus fermentum* from honey stomach of honeybee. *Brazilian Journal of microbiology*, 44 (3): 717-722.
12. **Tajabadi, N.**, Mardan, M., Shuhaimi, M. and Abdul Manap, M.Y. 2013. Sequencing of the 16S rRNA Gene for identification of novel potential probiotic *Lactobacillus* isolated from the honeycomb of honeybee *Apis dorsata*. *Journal of Apicultural Research*, 55(5): 235-241.
13. Rasti, B., Selamat, J., Shuhaimi, M., Nateghi, L., Yik Yee, L., **Tajabadi, N.**, Meimandipour, A. and Manap. M.Y. 2013. Inhibition of *Clostridium scindens* and *Clostridium hiranonis* growth by *Bifidobacterium pseudocatenulatum* G4 in simulated colonic pH. *Journal of Food, Agriculture & Environment*, 11(2):127-131.
14. **Tajabadi, N.**, Mardan, M., Shuhaimi, M., Feizabadi, F., Nateghi, L. and Abdul Manap, M.Y. 2012. *Weissella* sp. Taj-Apis, a novel lactic acid bacterium isolated from honey. *Journal of Food, Agriculture & Environment*, 10 (2): 263-267.
15. Nateghi, L., Roohinejad, S., Totosaus, A., Rahmani, A., **Tajabadi, N.**, Meimandipour, A., Rasti, B. and Abdul Manap, M.Y. 2012. Physicochemical and textural properties of reduced fat Cheddar cheese formulated with xanthan gum and/or sodium caseinate as fat replacers. *Journal of Food, Agriculture & Environment*, 10 (2): 59-63.
16. Cobey, S., **Tajabadi, N.** and Bahrini, R. 2012. The Cloake Bord method of queen rearing. 4: 8-13. (In Persian).
17. **Tajabadi, N.**, Mardan, M., Abdul Manap, M.Y., Shuhaimi, M. Meimandipour, A. and Nateghi, L. 2011. Detection and identification of *Lactobacillus* bacteria found in the honey stomach of the Giant honeybee *Apis dorsata*. *Apidologie* 42 (5): 642-649.
18. **Tajabadi, N.**, Mardan, M., Abdul Manap, M.Y. and Shuhaimi, M. 2011. Isolation and identification of *Enterococcus* sp. from honey stomach of honeybee based on biochemical and 16S rRNA sequencing analysis. *International Journal of Probiotic and Perbiotic*, 6 (2): 95-100.

19. **Tajabadi, N.**, Mardan, M., Abdul Manap, M.Y., Shuhaimi, M. and Javanmard, A. 2010. Detection and identification of new potential probiotics bacteria from honey of the Giant honeybee *Apis dorsata* in highland of Malaysia. 2010. Journal of ApiProduct and ApiMedical Science 2(1): 46.
20. Tahmasbi, Gh, Kamali, M.A., Ebadi, R., Nejati Javaremi, A., Javaheri, D., Babaei, M., jamshidi, M., Akef, M. and **Tajabadi, N.** 2010. Comparison of improved honeybee queens of Iranian central region and control queens in different apiaries of Tehran, Isfahan, Markazi and Qazvin provinces. Research and Construction, 23 (1): 31-39 (In Persian).
21. **Tajabadi, N.**, Tavasolian, A. and Rezaii, H. 2005. Short history on honey bee knowledge (*Apis*) until 1800 B.C. Husbandry world, 3(11): 36-40 (In Persian).
22. Bahreini, R, Tahmasebi, Gh., **Tajabadi, N.** and Akhondi, M. 2005. The survey on geographical distribution of pests and predators of Tehran providence honey bees. Husbandry world, 3(10): 28-33 (In Persian).
23. Talebi, M., Bahreini, R. and **Tajabadi, N.** 2002. Effect of mulberry leaves moisture on some traits of silkworm. Sericologia, 42(2): 1-5.
24. Tahmasebi, Gh., Ebadi, R., **Tajabadi, N.**, Akhondi, M. and Faraji, S. 2002. The geographical and climatically effects on dwarf honey bee population in Iran. Agricultural Science and Natural Resource, 6(2): 167-169 (In Persian).
25. Talebi, M., Bahreini, R. and **Tajabadi, N.** 2001. Effect of multivitamin on some traits of the Silkworm (*Bombyx mori* L.). Research & Reconstruction, 50: 50-53 (In Persian).
26. Talebi, M., Bahreini, R. and **Tajabadi, N.** 2001. Effect of vitamin C on some traits of the Silkworm (*Bombyx mori* L.). Research & Reconstruction, 55: 92-94 (In Persian).

Presentation in Conference Proceedings:

1. **Tajabadi N.**, Tahmasbi Gh, Seyfi E, Rezaei H, Ameli M. Effect of probiotics in nutrition of honey bees on their gut microflora. Second International and 10th National Iranian Honeybee Congress, Karaj, Iran. January 22- 23, 2020.
2. **Tajabadi N.**, Tahmasbi Gh, Mashayekhi N., Rezaei H., Feizabadi F. Effect of Dietary Probiotics on Honey Production in Honey bees. Second International and 10th National Iranian Honeybee Congress, Karaj, Iran. January 22- 23, 2020.
3. Parichehreh Sh., Tahmasbi Gh, Sarafrazi A, **Tajabadi N.** Geographical distribution of symbiotic probiotics in gastrointestinal tract of dwarf honeybee (*Apis florea*) in Iran. Second International and 10th National Iranian Honeybee Congress, Karaj, Iran. January 22- 23, 2020.

4. Parichehreh Sh., Tahmasbi Gh, Sarafrazi A, **Tajabadi N**, , Rezaei H, Sartippoor A. Maxent Model for Prediction of Dwarf Honey bee (*Apis florea F.*) Distribution Pattern. Second International and 10th National Iranian Honeybee Congress, Karaj, Iran. January 22- 23, 2020.
5. Tahmasbi Gh., **Tajabadi N**, Valizadeh P, Parichehreh Sh, Rezaei H, Mashayekhi N, Nezhadmohammad- Nameghi A. Honeybee (*Apis mellifera L.*) breeding for resistance to varroa mite (*Varroa destructor* Anderson & Truman) in Iran. Second International and 10th National Iranian Honeybee Congress, Karaj, Iran. January 22- 23, 2020.
6. Seyeddokht A, Rahmaninia J, Norouzi Ebdalabadi M, Akef M, **Tajabadi N**. Role of tRNAs in the identification of regulatory RNAs of honey bee (*Apis mellifera*). Second International and 10th National Iranian Honeybee Congress, Karaj, Iran. January 22- 23, 2020.
7. Rezaei H, Tahmasbi Gh., **Tajabadi N**, Parichehreh Sh. Babaei M, Mashayekhi- Sardoei N, Seifi E, Sartippoor A. Performance evaluation of improved Iranian honeybee queens in private apiaries in Alborz province. Second International and 10th National Iranian Honeybee Congress, Karaj, Iran. January 22- 23, 2020.
8. **Tajabadi N**, Comparison of lactic acid bacteria isolated from honeybee *Apis dorsata*. First International and 9th National Iranian Honeybee Congress, Karaj, Iran 25-26 January 2017.
9. **Tajabadi N**, Feizabadi F, Nateghi L. Investigation of probiotic bacteria isolated from honeybee. First International and 9th National Iranian Honeybee Congress, Karaj, Iran 25-26 January 2017.
10. Parichehreh Sh, Tahmasbi Gh, Sarafrazi A, Imani S, **Tajabadi N**. Analysis of genetic diversity of lactobacillus bacteria isolated from dwarf honey bee, *Apis florea* Fabricius, collected from different climates of Iran. First International and 9th National Iranian Honeybee Congress, Karaj, Iran 25-26 January 2017.
11. Parichehreh Sh., Tahmasbi Gh, Sarafrazi A, Imani S, **Tajabadi N**. The spatial distribution pattern of dwarf honey bee *Apis florea F.* using Maxent model in different regions of Iran. First International and 9th National Iranian Honeybee Congress, Karaj, Iran 25-26 January 2017.
12. Seyfi, E, Tahmasbi, Gh, Parichehreh, Sh, **Tajabadi, N**, Hoseinian, S. H, Sartippour, A, Tasolian, A. The effect of temperature on maturity, mating and egg lying of honeybee queens in two different climates of Iran. First International and 9th National Iranian Honeybee Congress, Karaj, Iran 25-26 January 2017.
13. Sartippoor A, Nazarian H, **Tajabadi N**, Rezaee H & Seifi E, Tavasoliyan A. Recognition the pollen and nectar plants used by honeybee Region, “Tange Eram” City, Booshehr Province. First International and 9th National Iranian Honeybee Congress, Karaj, Iran 25-26 January 2017.

14. Tahmasbi, Gh, Babaei M, **Tajabadi, N**, Mirzaei, H, Mashayekhi, N, Hoseinian, H, Akef, M, Rezazadeh, H, Rezaee, H, Shaddel, M. A .The performance of honey bees' colonies obtained from the thirteenth generation of Iranian queens and control colonies in different apiaries located in different provinces of Iran. First International and 9th National Iranian Honeybee Congress, Karaj, Iran 25-26 January 2017.
15. Abdollahi Mesbah R, **Tajabadi N**, Nozari J. Shape and size variations of hind wing and survey on cline among populations of honey bee *Apis mellifera* L. around Zagros Mountains. First International and 9th National Iranian Honeybee Congress, Karaj, Iran 25-26 January 2017.
16. **Tajabadi, N.**, Gholamhosein Tahmasbi, Seied Hosein Hoseinian, Faegheh Feizabadi, Hamed Rezaei and Nader Mashyekhi Sardoei .2017. Investigation of probiotic properties of *Lactobacillus plantarum* and *Lactobacillus fermentum* isolated from honeybee. 45th Apimondia International Apicultural Congress 2017 – Turkey.
17. **Tajabadi, N.**, Nazamid Saari, Mohammad Zarei, Raha Abdul Rahim, Mohd Yazid Abdul Manap, Fatimah Abu Bakar 2017. Screening Newly GABA-Producing Lactic Acid Bacteria isolated from Honey. 45th Apimondia International Apicultural Congress 2017 – Turkey.
18. Parichehreh, SH., Sarafrazi, A., Solhjuyi Fard, S., Tahmasbi. GH. **Tajabadi, N.** 2017. Global Geographical Distribution modeling of *Apis florea* F. (Hymenoptera; Apidae). 2nd Iranian International Congress of Entomology, Tehran, Iran.
19. Parichehreh SH., Tahmasbi GH., Sarafrazi A., Imani S., **Tajabadi N.** 2017. Geographic distribution of lactic acid bacteria in the gastrointestinal of the dwarf honey bee, *Apis florea* Fabricius, 1973 (Hymenoptera: Apidae). 2nd Iranian International Congress of Entomology, Tehran, Iran.
20. **Tajabadi, N.**, Mardanm, M. 2016. Comparison of lactic acid bacteria isolated from honey stomachs and honeycombs of honeybee *Apis dorsata* in different areas of Malaysia. 13th Asian Apicultural Association Conference, Jeddah, Saudi Arabia: 184.
21. **Tajabadi, N.**, Hosseini, S. A., and Feizabadi, F. 2016. Novel probiotic “*Enterococcus faecium*” 3th National conference on Probiotic & Functional Food, Tehran, Iran.
22. Feizabadi, F., **Tajabadi, N.**, and Nateghi, L. 2016. “The probiotics production benefits in the country” 3th National conference on Probiotic & Functional Food, Tehran, Iran.
23. **Tajabadi, N.**, Tahmasbi, G. h., Saari, N., Mardan, M., Shuhaimi, M., Abdul Manap, M. Y., Rezaee, H and Seifi, E. 2014. Detection and Identification of *Bifidobacterium* in Honey Stomachs and Honeycombs of honeybee *Apis dorsata*. 8th Iranian Honeybee seminar, Karaj, Iran: 82-85.

24. Tahmasbi, G. h., Kamali, M. A., Ebadi, R., Nejati javaremi, A., Javaheri, D., Garadsaghi, A. A., **Tajabadi, N.**, Babaei, M., jamshidi, M., Saifi, E and Rezaee, H. 2014. Selection response of Iranian honeybee (*Apis mellifera meda*) colonies for behavioral and performance traits during 12 successive generations in honeybee breeding project of central Iran (1998-2012). 8th Iranian Honeybee seminar, Karaj, Iran: 1-4.
25. **Tajabadi, N.**, M. Mardan, M.Y. Abdul Manap, Y.J. Ahangari., S.R. Hashemi., F. Feizabadi., A. Ebrahimpour., M. Shuhaimi, and N. Saari. 2012. Isolation and Identification of *Enterococcus* sp. from Honey Stomach of Giant Honeybee *Apis dorsata* in Kedah State of Malaysia. 11th AAA Conference and Apiexpo, Kuala Terengganu, Malaysia.
26. Ahangari, Y., S. R. Hashemi, A. Akhlaghi, Z. Esmaili, M. Ghorbani, A. Mehmandoyi, R. Mastani, A. Azadegan, **Tajabadi N*** and H. Davoodi. 2012. Effect of *In Ovo* Feeding of Natural Bioactive Compound from *Apis mellifera* on Immune Responses of Broiler Chickens Challenged with Newcastle Disease Virus. 11th AAA Conference and Apiexpo, Kuala Terengganu, Malaysia: 42.
27. Ahangari, Y., S. R. Hashemi, A. Akhlaghi, Z. Esmaili, M. Ghorbani, A. Mehmandoyi, R. Mastani, A. Azadegan, **Tajabadi* N** and H. Davoodi. 2012. Effect of *In Ovo* Injection of Royal Jelly on Heterophil to Lymphocyte Ratio in Broiler Chickens Challenged with Newcastle Disease Virus. 11th AAA Conference and Apiexpo, Kuala Terengganu, Malaysia: 43.
28. Tahmasbi, G. h, M.A. Kamali, R. Ebadi, A. Nejatijavaremi, S. D. Javaheri, M. Babaei, A. A. Gharadaghi, **N. Tajabadi**. 2012. Heritability of honey production, defense and swarming behaviour in Iranian honeybee (*Apis mellifera meda*) colonies. 11th AAA Conference and Apiexpo, Kuala Terengganu, Malaysia.
29. Tahmasbi, G. h, M.A. Kamali, R. Ebadi, A. Nejatijavaremi, S. D. Javaheri, , A. A. Gharadaghi, **N. Tajabadi**, M. Babaei, R. Bahreini , S. Yarahmadi , M. Akef. 2012. Genetic and phenotypic correlations of honey production, defense and swarming behaviour in Iranian honeybee (*Apis mellifera meda*) colonies. 20th Iranian plant protection congress: 677.
30. **Tajabadi, N.**, M. Mardan, M.Y. Abdul Manap, M. Shuhaimi, and N. Saari. 2011. Isolation and identification of *Lactobacillus* bacteria from honey stomach of the Giant honeybee *Apis dorsata* in agriculture area of Terengganu. National Bee Seminar and ApiExpo, Terengganu, Malaysia.
31. **Tajabadi, N.**, M. Mardan, M. Shuhaimi, M.Y. Abdul Manap and F. Feizabadi. 2011. *Weissella* sp. Taj-Apis., a Novel lactic acid bacterium Isolated from Honey. First Iranian conferences, Kuala Lumpur, Malaysia: 100.
32. **Tajabadi N**, M. Mardan., MY. Abdul Manap, M. Shuhaimi., S.R. Hashemi and M.M. Saberioon. 2011. Novel Potential Probiotic Bacteria found in Honey Stomach of Giant

Honeybee (*Apis dorsata*) In Northeim Malaysia. 7th Iranian Honeybee seminar, Karaj, Iran: 15.

33. **Tajabadi N**, Gh. Tahmasbi, S.D. Javaheri, M.B. Frshineh Adl R. Bahraini S. Yarahmadi, H. Rezaee and A Sayfee. Saberioon. 2011. The comparison of efficiency of instrumental inseminated Queens with natural mating Queens. 7th Iranian Honeybee seminar, Karaj, Iran: 47.
34. Hashemi, S.R., Y. Jafari Ahangari and **N. Tajabadi**. 2011. The Use of Phylogenics in Honey Production with Medicinal Properties. 7th Iranian Honeybee seminar, Karaj, Iran.
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Deposits in National Center for Biotechnology Information (NCBI)

A. Novel Genus of lactic acid bacteria (LAB)

A.1. *Lactobacillus kunkeei*: Isolates name and Gen bank accession numbers [**1.** Taj Hadi-1 (GQ451610), **2.** Mardan Naser-1 (GQ451616), **3.** Tajabadi Naser-1 (GQ451631), **4.** Mardan Arash-1 (GQ451623)].

A.2. *Lactobacillus sp*: Isolates name and Gen bank accession numbers [**1.** Taj Naser-1 (GQ451611), **2.** Tajabadi-1 (GQ451612), **3.** Makhdzir Naser-1 (GQ451633), **4.** Yazid Taj-1 (GQ451619)].

A.3. *Lactobacillus vermiform*: Isolate name and Gen bank accession number [Naser Mardan-1 (GQ451615)].

B. Novel Species of lactic acid bacteria:

B.1. *Lactobacillus*

B.1.1 *Lactobacillus kunkeei*: Isolates name and Gen bank accession numbers [**1.** Mardan Taj-1 (GQ451613), **2.** Naser Faegheh-1 (GQ451636), **3.** Rasoul Bahreini-1 (GQ451650)].

B.1.2. *Lactobacillus sp*: Isolates name and Gen bank accession numbers [**1.** Taj Mahdi-1 (GQ451639), **2.** Dilah Makhdzir-1 (GQ451645), **3.** Faegheh Hadi-1 (GQ451647), **4.** Taj Mar-1 (GQ374178), **5.** Hadi Tajabadi-1 (GQ451648)].

B.2.: *Weissella sp* Isolate name and Gen bank accession number [Taj-Apis (GU233465)].

C. Novel Strain of lactic acid bacteria:

C.1 *Lactobacillus*

C.1.1 *Lactobacillus kunkeei*: Isolates name and Gen bank accession numbers [**1.** Taj-KH 110 (GU233464), **2.** Taj Mardan-1 (GQ451606), **3.** Taj Arash-1 (GQ451608), **4.** Taj-KH 107 (GU233461), **5.** Yazid Naser-1 (GQ451617), **6.** Yazid Mardan-1 (GQ451618), **7.** Taj Arash-1 (GQ451608), **8.** Adi Mardan-1 (GQ451643)].

C.1.2. *Lactobacillus alvei*: Isolate name and Gen bank accession number [Taj-Dorsata (HM027641)].

C.1.3. *Lactobacillus sp*: Isolates name and Gen bank accession numbers [1. Taj Mustafa-1 (GQ451609),2. Mardan Naser-1 (GQ451616),3. Makhdzir Mardan-1 (GQ451624), 4. Shuhaimi Mardan-1 (GQ451628), 5. Taj-KH 107 (GU233461), 6. Taj-KH 109 (GU233463), 7.Naser Makhdzir-1 (GQ451634), 8. Taj-KS164 (GU233457),9. Taj-KS82(GU233460)].

C.1.4. *Lactobacillus plantarum*: Isolates name and Gen bank accession numbers [1. Taj-Apis 362 (HM027644),2. Taj-Honey 366 (HM027639) 3. T1 (KU512757)].

C.1.5. *Lactobacillus pentosus*: Isolates name and Gen bank accession numbers [1. Taj-Honey 341 (HM027640), 2. Taj-Apis 359 (HM027643)].

C.1.6. *Lactobacillus fermentum*: Isolate name and Gen bank accession number [Taj-Apis 396 (HM027642)].

C.2. *Bifidobacterium*

C.2.1. *Bifidobacterium pseudocatenulatum* Isolates name and Gen bank accession numbers [1. Taj-401(HM027651),2. Taj-421 (HM027652)].

C.3. *Enterococcus*

C.3.1. *Enterococcus sp*: Isolates name and Gen bank accession numbers [1. Taj-KS29 (HM027647), 2. Taj-KH5 (HM027646), 3. Taj-TS315 (HM027648),4. Taj-TS329 (HM027649), 5. Taj-TS355 (HM027650)].

C.3.2. *Enterococcus faecalis*: Isolate name and Gen bank accession number [Taj-KH119 (HM027645)].

D. Complete cds:

D.1. *Lactobacillus plantarum* Taj-Apis362 glutamate decarboxylase (gadB) gene, complete cds. Gen bank accession number [KF770955].

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