**References**

Zargaran, M. Mousavi Mirkla, S.R. Banj Shafi'i, A. and Ramezani Kakroudi, A. (2014). Studying the biology of the oak borer and its distribution in West Azarbaijan province. Journal of Forest Research and Development, 1 (1), 31-42.

Talebi, Kh. Sajdi, T., & Yazdian, F. (2014). A look at the forests of Iran. The second edition, published by the Forestry and Rangeland Research Institute. Pages 1-65.

Ghabari, H. Guldansaz, S.H. Ashuri, A., Kharazi, A., & Bi-Hamta, M. (2016). Investigating the presence and distribution of the oak bud-eating moth in the forests of Kurdistan province. Entomological Society letter. 27 (1), 47-59.

Ghiyasuddin, H., Shabanian, N., Kavossi, M., & Talebi, R. (2019). Genetic diversity and population structure of the oak bud-eating butterfly in the forests of North Zagros. Journal of modern genetics. 15 (2), 136-123.

Assefa, Y., Goftishu, M., Capdevielle-Dulac, C., & Le Ru, B. (2017). Clarifying the source of *Conicofrontia sesamoides Hampson* (Lepidoptera: Noctuidae) population in South African sugarcane using morphological identification and mitochondrial DNA analysis. Phytoparasitica, 45(1), 45-55.

Aylor, D.E., & Irwin, M.E. (1999). Aerial dispersal of pests and pathogens: implications for integrated pest management. Agricultural and Forest Meteorology, 97, 233-234.

Bhau, B.S., Mech, J., Borthakur, S., Bhuyan, M., & Bhattacharyya, P.R. (2014). Morphological and genetic diversity studies among populations of tea mosquito bug, Helopeltis theivora from Assam, India. Molecular Biology Reports, 41, 7845-7856.

Castagneyrol, B., Jactel, H., Vacher, C., Brockerhoff, E.G., & Koricheva, J. )2014(. Effects of plant phylogenetic diversity on herbivory depend on herbivore specialization. Journal of Applied Ecology, 51(1), 134-141.

Du Merle, P. (1999). Egg development and diapause: ecophysiological and genetic basis of phenological polymorphism and adaptation to varied hosts in the green oak tortrix, *Tortrix viridana* L*.* (Lepidoptera: Tortricidae). Journal of Insect Physiology, 45(6), 599-611.

Fazeli, M.J., & Abai, M. (1990). Green oak leaf-roller moth in Kohkiluyeh and Boyer-Ahmad province (*Tortrix viridana* L., Lep.: Tortricidae). Applied Entomology and Phytopathology, 57(1-2), 1-2.

Gao, B., Hedlund, J., Reynolds, D. R., Zhai, B., Hu, G., & Chapman, J. W. (2020). The ‘migratory connectivity’concept, and its applicability to insect migrants. *Movement Ecology*, *8*, 1-13.

Ghobari, H., Goldansaz, S.H., Askari, H., Ashouri, A., kharazi, P.A., & Bihamta, M.R. (2007). Investigation of presence, distribution and flight period of oak leaf roller moth, *Tortrix viridana* (Lep.: Tortricidae) using pheromone traps inKurdistan province. Journal of Entomological Society of Iran, 27(1), 47-59.

Guo, J., Wang, Z., & Francis, F. (2017). Use of molecular markers for entomological diversity assessment and their application in population study of aphids. Entomologie faunistique-Faunistic Entomology.

Haase, J., Castagneyrol, B., Cornelissen, J.H.C., Ghazoul, J., Kattge, J., Koricheva, J., Scherer‐Lorenzen, M., Morath, S., & Jactel, H. (2015). Contrasting effects of tree diversity on young tree growth and resistance to insect herbivores across three biodiversity experiments. Oikos, 124(12), 1674-1685.

Hunter, M.D. (2008). A variable insect–plant interaction: the relationship between tree budburst phenology and population levels of insect herbivores among trees. Journal of Ecological Entomology, 17(1), 91-95.

Jazirehi, M.H., & Ebrahimi-Rastaghi, M. (2003). Silviculture in Zagros. Tehran University publications. (In Farsi).

Jones, B.C., & Despland, E. )2006(. Effects of synchronization with host plant phenology occur early in the larval development of a spring folivore. Canadian Journal of Zoology, 84(4), 628-633.

Li, X., Wu, S., Xu, Y., Liu, Y., & Wang, J. (2022). Population Genetic Structure of *Chlorops oryzae* (Diptera, Chloropidae) in China. Insects, 13(4), 327.

Marvi mohajer, MR. (2005). Silviculture, Tehran University Prees, Tehran, 388p. (In Pertion).

Nugnes, F., Gebiola, M., Monti, M.M., Gualtieri, L., Giorgini, M., Wang, J., & Bernardo, U. (2015). Genetic Diversity of the Invasive Gall Wasp Leptocybe invasa (Hymenoptera: Eulophidae) and of its Rickettsia Endosymbiont, and Associated Sex-Ratio Differences. Journal of Plos one, 10(5), 1-20.

Sabeti, H.A. (1995). Forests, trees and shrubs of Iran. Yaz University publications. (In Farsi).

Salvato, P., Battisti, A., Concato, S., Masutti, L., Patarnello, T., & Zane, L. (2002). Genetic differentiation in the winter pine processionary moth (*Thaumetopoea pityocampa*–*wilkinsoni* complex), inferred by AFLP and mitochondrial DNA markers. Mol Ecol 11, 2435-2444.

Schroder, H. (2008). Genetic differentiation of populations of the green oak leaf roller (*Tortrix viridana* L.) and its host (*Quercus robur* L.) using nuclear gene markers. Mitteilungen der Deutschen Gesellschaft fur Allgemeine und Angewandte Entomologie, 16(4), 237-242.

Schroeder, H., & Degen, B. (2008a). Genetic structure of the green oak leaf roller (*Tortrix viridana* L.) and one of its hosts, *Quercus robur* L. Forest Ecology and Management, 256, 1270-1279.

Schroeder, H., & Degen, B. (2008b). Spatial genetic structure in populations of the green oak leaf roller, *Tortrix viridana* L. (Lepidoptera, Tortricidae). European Journal of Forest Research, 127(6), 447-453.

Schroeder, H., Arens, P., & Smulders, M.J.M. (2010). Autosomal and sex-linked microsatellite loci in the green oak leaf roller *Tortrix viridana* L. (Lepidoptera, Tortricidae). Journal of Molecular Ecology Resources, 9(3), 809-811.

Serra, G., Maestrale, GB., Baratti, M., & Lentini, A. (2014). Genetic variation in Sardinian populations of the Green oak leaf roller *Tortrix viridana* L. (Lepidoptera, Tortricidae). Integrated protection in oak forests. IOBC/wprs Bulletin, 101, 221-225.

Shuster, S.M., Lonsdorf, E.V., Wimp, G.M., Bailey, J.K., & Whitham, T.G. (2006). Community heritability measures the evolutionary consequences of indirect genetic effects on community structure. Evolution, 60(5), 991-1003.

Wang, X., & Messing, R.H. (2003). Intra- and interspecific competition by Fopius arisanus and Diachasmimorpha tryoni (hymenoptera: Braconidae), parasitoids of tephritid fruit flies. Biological Control, 27, 251-259.

Wharton, R.A., Trostle, M.K., Messing, R.H., Copeland, R.S., Kimani-Njogu, S.W., Lux, S., Overholt, W.A., Mohamed, S., & Sivinski, J. (2000). Parasitoids of medfly, ceratitis capitata, and related tephritids in kenyan coffee: a predominantly koinobiont assemblage. Bulletin of Entomological Research, 90, 517-526.

Xu, Y., Mai, J.W., Yu, B.J., Hu, H.X., Yuan, L., Jashenko, R., & Ji, R. (2019). Study on the genetic differentiation of geographic populations of *Calliptamus italicus* (Orthoptera: Acrididae) in sino-kazakh border areas based on mitochondrial COI and COII genes. Journal of Economic Entomology, 112(4), 1912-1919.