



## Fatemeh Borna

Assistant Professor

College: Faculty of Agriculture

Education			
Degree	Graduated in	Major	University
Ph.D		Physiology and Breeding of Medicinal & Aromatic Plants	The University of Tehran
MSc		Horticultural Science	Tarbiat Modares University
BSc		Horticultural Science	Shahed University

Employment Information				
Faculty/Department	Position/Rank	Employment Type	Cooperation Type	Grade
Department of Horticultural Science, Faculty of Agriculture, Agricultural Sciences and Natural Resources University of Khuzestan	Assistant Professor	On Contract	Full Time	3

### Papers in Conferences

1. فاطمه برنا , مختار حیدری , سجاد مرادی, مطالعه اسانس و اجزای تشکیل دهنده اسانس گیاه دارویی چز منطقه مرغا, مسجده سلیمان, استان خوزستان, هجدهمین کنگره ملی و چهارمین کنگره بین‌المللی علوم زراعت و اصلاح نباتات ایران, مشهد, ۱۴۰۳, ۰۶ ۲۰.
2. فاطمه برنا و کاظم نگارش, The study of Behbahanian Knapweed plant, native to Khuzestan province with emphasis on taxonomic and phytochemical aspects, ارومیه, ۱۴۰۲, دهمین کنگره ملی گیاهان دارویی, ارومیه, ۱۴۰۲.
3. فاطمه برنا و مختار حیدری, Investigating the chemical composition of Thymus daenensis essential oil in the Baghmalek region (Khuzestan Province, Southwest of Iran), ارومیه, ۱۴۰۲, دهمین کنگره ملی گیاهان دارویی, ارومیه, ۱۴۰۲.
4. Fatemeh Borna ,& Tahereh Borna ,INTRODUCING DRAGONHEAD AS A VEGETABLE IN FOOD BASKET ,NATIONAL CONGRESS ON MEDICINAL PLANTS ,2014.

## Papers in Journals

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1. Mostafa Rahmati , Joneidabad , Fatemeh Borna , Mokhtar Heidari. Identification of chemical compounds of *Foeniculum vulgare* essential oil, antioxidant power, and its antifungal effect on postharvest grape spoilage molds. *Journal of Food Science and Technology (Iran)*. ۲۰۲۳.
2. Fatemeh Borna , Vahideh Nazeri , Fatemeh Ghaziani , Majid Shokrpour. Morphological and physiological response of some Iranian ecotypes of *Leonurus cardiaca* L. to drought stress. *Journal of Horticulture and Postharvest Research*. ۲۰۲۱.
3. F. Borna و سایر. Genetic diversity in populations of the medicinal plant *Leonurus cardiaca* L. revealed by inter-primer binding site (iPBS) markers. *Genetic Resources and Crop Evolution*. ۲۰۱۷.
4. Mostafa Rahmati , Joneidabad , Fatemeh Borna , Mokhtar Heidari, Determination of total phenols and flavonoids, antioxidant potential and antimicrobial activity of hydroalcoholic extract of *Withania somnifera* against fungi cause spoilage postharvest apple and strawberry fruits, *Journal of Food Science and Technology (Iran)*, 2023.
5. F. Borna et al., Genetic diversity in populations of the medicinal plant *Leonurus cardiaca* L. revealed by inter-primer binding site (iPBS) markers, *Genetic Resources and Crop Evolution*, 2017.
6. Fatemeh Borna , Nabil M. Ahmad , Shuming Luo , Richard Trethowan, Reproductive biology of the medicinal plant *Leonurus cardiaca* L., *Australian Journal of Botany*, 2016.
7. Reza Omidbaigi , Fatemeh borna , Tahereh Borna , K. Inotai, Sowing Dates Affecting on the Essential Oil Content of Dragonhead (*Dracocephalum moldavica* L.) and its Constituents, *Journal of Essential oil Bearing Plants*, 2009.
8. Reza Omidbaigi , Fatemeh Sefidkon , Fatemeh Borna, 3. Essential oil content and compositions of *Chenopodium ambrosioides*, *Journal of Essential oil Bearing Plants*, 2005.