



TO MAGNIFICO RETTORE OF UNIVERSITA' DEGLI STUDI DI MILANO

ID CODE 0749716258

I the undersigned asks to participate in the public selection, for qualifications and examinations, for the awarding of a type B fellowship at **Dipartimento di** _____

Scientist- in - charge: _____

[Mohammad Mahmoodi Sourestani]

CURRICULUM VITAE

PERSONAL INFORMATION

Surname	Mahmoodi Sourestani
Name	Mohammad

PRESENT OCCUPATION

Appointment	Structure
Teacher and researcher	Shahid Chamran University of Ahvaz

EDUCATION AND TRAINING

Degree	Course of studies	University	year of achievement of the degree
Degree	Medicinal plants	Tarbiat Modares	2010
Specialization	Medicinal plants	Tarbiat Modares	2010
PhD	Horticultural Science	Tarbiat Modares	2010
Master	Horticultural Science	Tarbiat Modares	2006
Degree of medical specialization			
Degree of European specialization	Greenhouse and floating system	Unuversity of Milan	2010
Other	Secondary metabolite extraction and analysis	University of Szeged	2017



REGISTRATION IN PROFESSIONAL ASSOCIATIONS

Date registration	of Association	City
2010	Horticultural Science	Tehran,Iran
2010	Medicinal and aromatic plants	Tehran,Iran

FOREIGN LANGUAGES

Languages	level of knowledge
English	Advanced
Italian	basic

AWARDS, ACKNOWLEDGEMENTS, SCHOLARSHIPS

Year	Description of award
2006	Ministry of Science, Iran

TRAINING OR RESEARCH ACTIVITY

<p>My name is Mohammad Mahmoodi Sourestani and I have completed my Ph.D degree from Tarbiat Modarres University in Nov 2010. Since then, I have been working as an academic member at Shahid Chamran University of Ahvaz. Also, I had been engaged in a research project in Italy under supervision of Dr. Antonio Ferrante on the baby vegetables nutrition project as well as in Budapest under supervision of Prof. Dr. Judit Hohmann; Dr. Csutor Dezs on secondary metabolites extraction from some medicinal plants and analyzing by HPLC. Furthermore, I am well-qualified for analyzing essential oil components by GC-MS.</p> <p>According to my experiences, and my major in Ph.D certification, I am very enthusiastic to continue my research on secondary metabolites screening in natural habitats, extraction, purification and analysis and application of GIS and image processing in order to find relationship between weather parameters like temperature, light, soil humidity and soil properties such as mineral availability and microorganism with secondary metabolites in medicinal plants. Therefore, I believe that I can collaborate with you if it is possible. I can apply for a visiting researcher, postdoc position or collaborate in a research project on medicinal plants.</p>

PROJECT ACTIVITY

Year	Project
2024	Investigating on the monthly changes in the yield, percentage and composition of the essential oil of <i>Ocimum kilimandscharicum</i> in the climatic conditions of Ahvaz
2024	Feasibility assessment of <i>Artemisia herba-alba</i> domestication and investigation of its phytochemical compounds and biological properties.



2024	Designing and building an application to identify and provide information on medicinal plants using image processing
2024	The effect of seasonal changes and distillation duration on some secondary metabolites of guava leaves (<i>Psidium guajava</i> L)
2024	Study on the changes in secondary metabolites of <i>Drimys maritima</i> during growth and development stages, diameters and different parts of the onion
2023	Investigating the phytochemical diversity and antibacterial activity of five finger plant populations (<i>Vitex pseudo-negundo</i> (Hausskn.) Hand.-Mzt) in some habitats of Iran
2023	Evaluation of the quantitative and qualitative characteristics of the secondary metabolites of the Citrus peels of Khuzestan province using chromatography and hyperspectral imaging methods.
2023	Mapping the development of cultivation (determining the cultivation pattern) of medicinal plants widely used in industries in Khuzestan province (Iran) with the aim of optimal use of available water resources.
2022	Investigating the added value of agricultural products of Khuzestan province n province (Iran)
2019	Feasibility of domestication of <i>Oliveria decumbens</i> , an endangered plant, and investigation of its phytochemical properties
2020	Investigation of secondary metabolites of <i>Mentha longifolia</i> L. in some habitats of Khuzestan province
2020	Investigating on the biochemical composition of some samples of the mushroom (<i>Terfezia claveri</i>)
2019	Investigating on some phytochemical and morphological characteristics of different populations of Egyptian buckwheat (<i>Hyoscyamus muticus</i> L.)
2018	Seasonal changes of secondary metabolites of the medicinal plant (<i>Myrtus communis</i> L) in some habitats of Khuzestan province, Iran.
2019	Comparison of Essential oil compositions of five <i>Narcissus</i> (<i>Narcissus tazetta</i> L.) varieties Extracted with Enfleurage and Headspace Solid-phase Micro Extraction methods
2019	The effect of mycorrhizal fungus, growth-stimulating bacteria and plant mulch on the quantitative and qualitative performance of the medicinal plant anise (<i>Pimpinella anisum</i>)
2018	Feasibility of identifying some species of basil plant using electronic nose system
2017	Investigating some secondary metabolites of <i>Prangos ferulacea</i> (L.) Lindl.) and <i>Ferulago angulata</i> (Schlecht) Boiss. plants in several regions of Baghmelek, Iran.
2017	Investigation of some secondary metabolites of different populations of German chamomile (<i>Matricaria recutita</i> L.) in some areas of Khuzestan and Ilam provinces.
2015	Study on the percentage and components of essential oil of different populations of mint (<i>Mentha</i> spp.) in Ahvaz weather conditions
2015	Investigating on the effect of biological fertilizers and humic acid on the growth traits, yield and essential components of the basil medicinal plant (<i>Ocimum basilicum</i> var. thrysiflora)



PATENTS

Patent
Self-irrigation pot

CONGRESSES AND SEMINARS

Date	Title	Place
26 - 29 May 2016	9 th Conference on Medicinal and Aromatic Plants of Southeast European Countries	Plovdiv, Bulgaria
22-25 May 2010	2nd International Conference Effect of Pre- and Post-harvest Factors on Health Promoting Components and Quality of Horticultural Commodities	Skierniewice, Poland
12-15 July 2010	First international congress of medicinal plant	Shiraz, Iran.
12-13, July, 2023	10 th natinal congress on medicinal plants	Uroma, Iran
24-25, April, 2019	8 th natinal congress on medicinal plants	Tehran, Iran
12-13, May, 2018	7 th natinal congress on medicinal plants	Shiraz, Iran
9-10, May, 2017	6 th natinal congress on medicinal plants	Tehran, Iran
18-19, May, 2016	5 th natinal congress on medicinal plants	Isfahan, Iran
12-13, May, 2015	4 th natinal congress on medicinal plants	Tehran, Iran
23-24, Oct. 2007	The 3 rd Congress of Medicinal Plants	Tehran, Iran

PUBLICATIONS

Books
[title, place, publishing house, year ...]
[title, place, publishing house, year ...]
[title, place, publishing house, year ...]

Articles in reviews
Phytochemical fingerprinting and habitat differentiation on chlorogenic acid amount of <i>Oliveria decumbens</i> using HPTLC, Sustainable Chemistry and Pharmacy , 41: 1-13. 2024]



Changes in growth, essential oil composition and biochemical traits of peppermint in response to coapplication of zinc and methyl jasmonate in soilless culture, Journal of Plant Nutrition , 2024
<i>Oliveria decumbens</i> , a long-neglected plant with promising phytochemical and biological properties. Chemistry and Biodiversity , 20, 2024
A Review on <i>Torilis japonica</i> : Ethnomedicinal, Phytochemical, and Biological Features. Chemistry and Biodiversity , 20: 1-14. 2023
Effective Inhibition of <i>Listeria monocytogenes</i> biofilm formation by <i>Satureja rechingeri</i> essential oil: Mechanisms and implications. Current Microbiology , 81 (77): 1-11. 2024
Inoculating mycorrhiza fungi and growth-promoting bacteria and mulch of plant residues improve yield and essential oil production of anise (<i>Pimpinella anisum</i> L.). Acta Scientiarum Polonorum Hortorum Cultus , 22 (6): 55-67. 2023
Chemical analysis of Eucalyptus and Rosemary essential oils using gas chromatography-mass spectrometry (GC-MS) and evaluation of their toxicity against the most common urban pest. Analytical Methods in Environmental Chemistry Journal , 6 (3): 89-102. 2023
Pediculicidal Activity of <i>Foeniculum vulgare</i> Essential Oil in Treatment of <i>Pediculus capitis</i> as a Public Health Problem. Journal of Arthropod-Borne Diseases , 16 (1): 61-71. 2023
Biochemical Compounds, Antioxidant Capacity, Leaf Color Profile and Yield of Basil (<i>Ocimum</i> sp.) Microgreens in Floating System. Plants , 12 (14): 2652. 2023
Balancing Yield and Antioxidant Capacity in Basil Microgreens: An Exploration of Nutrient Solution Concentrations in a Floating System. Agriculture , 13 (9): 1-15. 2023
Efficiency of chemical composition of some essential oils against <i>Botrytis cinerea</i>, the pathogen of post-harvest strawberry fruits . Journal of Food Measurement and Characterization , 15 (6): 1-10. 2021
Prevention of decay and maintenance of bioactive compounds in strawberry by application of UV-C and essential oils . Journal of Food Measurement and Characterization , 15 (6): 5310-5317. 2021
Linarin, a Glycosylated Flavonoid, with Potential Therapeutic Attributes: A Comprehensive Review . Pharmaceuticals , 14 (11): 1104. 2021
A comparative study on essential oil profile and antioxidant activity in different parts of three <i>Ferulago</i> species . Chemistry & Biodiversity , 18 (12):1-10. 2021
Phytochemical Variation within Aerial Parts of <i>Ferula cupularis</i> Populations, an Endangered Medicinal Plant from Iran . Chemistry & Biodiversity , 18 (12): e2100551. 2021
Nutritive Composition, Growth, Biochemical Traits, Essential Oil Content and Compositions of <i>Salvia officinalis</i> L. Grown in Different Nitrogen Levels in Soilless Culture . Journal of Soil Science and Plant Nutrition , 21(4): 3320-3332. 2021
Phytochemical and physiological response of <i>Satureja hortensis</i> L. to different irrigation regimes and chitosan application. Industrial Crops and Products , 158: 1-10. 2020
<i>Ducrosia</i> spp., Rare Plants with Promising Phytochemical and Pharmacological Characteristics: An Updated Review. Pharmaceuticals , 13 (175): 1-21. 2020
Essential oil variation and antioxidant capacity of <i>Mentha pulegium</i> populations and their relation to ecological factors. Biochemical Systematics and Ecology , 91: 1-7. 2020



<i>Pediculus humanus capitis</i> Prevalence as a Health Problem in Girl's Elementary Schools, Southwest of Iran (2017-2018). The Journal of Research in Health Sciences , 19 (2): 1-6. 2020
Monoterpenes: Essential Oil Components with Valuable Features. Mini-Reviews in Medicinal Chemistry , 20. 2020
Comprehensive chemotaxonomic analysis of saffron crocus petal and stamen samples, as raw materials with potential antidepressant activity. Journal of Pharmaceutical and Biomedical Analysis , 184: 1-9. 2020
Monthly changes in contents and compositions of oil of <i>Callistemon citrinus</i> : A comparison study. Natural Product Research , 2020
Changes in soil microbial activity, essential oil quantity, and quality of Thai basil as response to biofertilizers and humic acid. Journal of Cleaner Production , 256: 1-10. 2020
Variation of Chemical Constituents and Antiradical Capacity of Nine <i>Ferulago angulata</i> Populations from Iran. Chemistry and Biodiversity , 16 (10): 2-11. 2019
Chemodiversity of Volatile Oil Contents of Various Parts of 10 Iranian <i>Prangos ferulacea</i> Accessions, With Analysis of Antiradical Potential. Natural Product Communications .14 (5): 1-9. 2019
Chemo-diversity and antiradical potential of twelve <i>Matricaria chamomilla</i> L. populations from Iran: proof of ecological effects. Molecules , 24, 1315. 2019
Comparative study of essential oil constituents and phenolic compounds of Arabian Lilac (<i>Vitex Trifolia</i> var. <i>Purpurea</i>): An Evidence of Season Effects. Foods , 8, 52: 2-14. 2019
Influence of drying, storage and distillation times on essential oil yield and composition of anise hyssop [<i>Agastache foeniculum</i> (Pursh.) Kuntze]. Journal of Essential Oil Research . 26 (3):177-184. 2014
Biofortification of spinach plants applying selenium in the nutrient solution of floating system . Vegetable Crops Research Bulletin 76: 127-136. 2012

Congress proceedings
European Horticulture congress: Genetic resources in Horticulture: Screening, propagation, use and conservation, Bucharest, Romania, 12-16 May, 2024

OTHER INFORMATION

Declarations given in the present curriculum must be considered released according to art. 46 and 47 of DPR n. 445/2000.

The present curriculum does not contain confidential and legal information according to art. 4, paragraph 1, points d) and e) of D.Lgs. 30.06.2003 n. 196.

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Place and date: Ahvaz, Iran, 16 Sep 2024

