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Education:

Degree	Years	University	Subject
B.Sc.	1991-1995	Shahid Beheshti (Tehran)	Pure Chemistry
M.Sc.	2003-2006	Ferdowsi (Mashhad)	Organic Chemistry
Ph.D.	2009-2012	National University of Malaysia (UKM)	Chemistry- Phytochemistry

Employment and Experience:

Years	Position	Employer (Iran)
1997-2009	Chemistry Laboratory Master	Department of Chemistry (Hakim Sabzevari University))
2012 - Current	Academic Staff (Associate Professor)	Department of Chemistry (Hakim Sabzevari University)

Teaching Experience:

- Characterization of nanomaterials (PhD)
- Chemistry of natural products (MSc)

- Separation and purification of natural products (MSc)
- Basic of pharmacognosy (MSc)
- Advanced Organic Chemistry (MSc)
- Organic Synthesis (MSc)
- New Aspect in Organic Chemistry (MSc)
- Advanced Spectroscopic Methods in Organic Chemistry (MSc)
- Chemistry of catalysts (MSc)
- Organic Chemistry (I, II &III)
- Organic Chemistry Spectroscopy
- Identification of Organic Compounds
- Identification of Organic Compounds from Natural Sources
- Phytochemistry
- Medicinal Chemistry
- Environmental Chemistry

Publications:

Book:

Gholizadeh, M.**; Mahdavi, B.** Safety in the Chemical Laboratories 1ed. 2004; 2ed. 2008, Sabzevar Tarbiat Moallem University, Sabzevar.

Gholizadeh, M.**; Mahdavi, B.** A review of Experimental Organic Chemistry 1ed. 2003; 2ed. 2008, Sabzevar Tarbiat Moallem University, Sabzevar.

Papers in Journals:

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19) Determination of Antimicrobial of methanolic Extract of *Ferula latisecta* Z. Sharafi-Sirzar, **B. Mahdavi**, E. Rezaei-Seresht, 6th National Congress on Medicinal Plants, Tehran, Iran, **2017**.

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17) Antimicrobial Activity of Methanolic Extract of *Ephedra intermedia* S. Ebrahimi, **B**. **Mahdavi**, S. Ghezi, 6th National Congress on Medicinal Plants, Tehran, Iran, **2017**.

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15) Phytochemical Content of Aerial Parts of *Salvia Limbata* from Sabzevar Iran, S. Ghezi, **B. Mahdavi**, B. Maleki, 24th Iranian Seminar of Organic Chemistry, Tabriz, Iran, **2016**.

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13) Synthesis of triacetoxybenzoic acid and triacetoxybenzoyl chloridefrom gallic acid and study on comparison of their antibacterial activity, S. M. Hosseyni Tabar, **B. Mahdavi**, E. Rezaei-Seresh, 24th Iranian Seminar of Organic Chemistry, **2016**.

12) Phytochemical Test to Screen of Phenolic Anthraquinone, Alkaloids, Steroids, Terpenoid, flavonoid Compounds of Aerial Part of *Salvia reuterana,* H. Farmonbar, **B. Mahdavi**, 5th National Congress on Medicinal Plants, Isfahan, Iran, **2016.**

11) Determination of Antioxidant Activity of Methnolic Extract of *Salvia leriifolia* Benth Z. Hosseinpoor, **B. Mahdavi**, 5th National Congress on Medicinal Plants, Isfahan, Iran, **2016.**

10) Studying on Total Phenolic Content and Total Flavonoid Content of *Ferula ovina* From Sabzevar, **B**. **Mahdavi**, E. Rezaei-Seresh, S. Riyahi Farsani, 4th National Congress on Medicinal Plants, Tehran, Iran, **2015.**

9) Determination of Total Phenolic and Flavonoid Content of Aerial Parts of *Salvia leriifolia* Benth. From Sabzevar –Iran, **B**. **Mahdavi**, E. Rezaei-Seresht, Z. Hoseinpoor, 4th National Congress on Medicinal Plants, Tehran, Iran, **2015.**

8) Antioxidant Activity, Total Phenolic and Flavonoid Content in *Salvia lerrifolia* from Sabzevar, M. Baghaei Nezhad, N. Mollania, S. Kazemi Noureini, **B**.**Mahdavi**, Kianmehr H., *International Conference on Natural Products*, Mashhad, Iran, **2013**

7) A Comparison on Antioxidant Activity of Two *Polygonum* Species, **B. Mahdavi**; E. Rezaei-Seresht; M. Parand Varmanesh, *International Conference on Natural Products*, Mashhad, Iran, **2013**

6) Antioxidant Activity and Total Phenolic Content of Methanolic Extract of the Base of *Etlingera brevilabrum,* **B. Mahdavi**; Laily B. Din; W.A. Yaacob, *International Conference on Natural Products (ICNP),* Malaysia, **2011**

5) Total Phenolic Content and DPPH Radical Scavenging Activity of Pyrolytic Oils from Leaves of *Etlingera brevilabrum,* **B. Mahdavi**, W.A. Yaacob, Laily B. Din, Mohamad Amran Mohd Salleh and Rozita Omar, *International Conference on Natural Products (ICNP),* Malaysia, **2011**

4) Trapping of Smokes from *Etlingera brevilabrum* Leaves to Obtain Usable Liquids, **B. Mahdavi**, W.A. Yaacob, Laily B. Din, Mohamad Amran Mohd Salleh and Rozita Omar, 13th Advances in Extraction Technology International Symposium, **2011**

3) Composition Analysis of Essential Oils from Rhizome and Stem of *Etlingera brevilabrum* by GC×GC/TOFMS, **B. Mahdavi**, Laily B. Din, W.A. Yaacob,M.A. Siti Aishah, 1th Iranian Students Scientific Conference in Malaysia, **2011.**

2) Composition Analysis by Comprehensive 2D GC with Time-of-flight Mass Spectrometry of Essential Oil from Leaves of *Etlingera brevilabrum*, **B. Mahdavi,** Laily Bin Din, W.A. Yaacob, M.A. Siti Aishah, 16th Malaysian Chemical congress, **2010**

1) Unexpected Reduction of 2-(1-Chloroethyl) Benzimidazoles to 2 -Ethylbenzimidazoles by hydrazine, M.Rahimizadeh, **B.Mahdavi**, M.Bakavoli, 15th Iranian Organic chemistry Conference, **2008**

Research Projects

1) Determination of antioxidants of several aromatic plants by HPLC and evaluation of antioxidant and biological activity of essential oils and their extracts.

2) Investigating of the chemical composition, antioxidant activity, antimicrobial activity and toxicity level of *Matricaria chamomilla* var. *Chamomilla* essential oil (a traditional Iranian medicine product).

3) The repellent effects of basil and radish plant extracts on Anopheles insects.

4) Providing a quick and easy method to analysis of Brass furnace load.

5) Studying the effect of magnetized water on poultry growth.

Held workshops

1) Introducing of extraction methods from medicinal plants.
2) How to write a scientific paper?
3) Introducing of FT-IR and UV-Vis. spectroscopies for organic compounds.
4) Safety in Chemical Laboratories.

Honors

- Among the World's Top 2% Scientists, 2023
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