

Contact Information:

Work Address:	Dep. Biology, Islamic Azad University, Shahr-e-Qods Branch, Tehran/IRAN. P. O. Box: 37515-374
E-mail Address:	Shahram_biotech@yahoo.com
Tel/Fax:	+98 21 4689 6000

Research Interests:

Plant Physiology
 Plant Biochemistry
 Plant Tissue Culture
 Phytoremediation

Educational Records:

No	Degree	Field of Study	Institution	City/ Country	Date	
					From	To
1	Ph.D.	Plant Physiology	Science & research Branch, Islamic Azad Uni.	Tehran/ Iran	2007	2011
2	Master	Plant Physiology	Shahid Beheshti Uni.	Tehran/ Iran	1999	2002
3	Bachelor	Botany	Urmieh Uni.	Urmieh/ Iran	1995	1999

M.Sc. Thesis title: Effect of different carbohydrates on the accumulation of total lipid and triglycerides in safflower (*Carthamus tinctorius L.*) calluses.

M.Sc. Thesis Supervisor: Dr. H. Shaker

Ph.D. Thesis title: Production of antioxidants in safflower (*Carthamus tinctorius L.*) in tissue culture under cadmium stress.

Ph.D. Thesis Supervisor: Prof. R.A. Khavari- Nejad

Scientific-Performing Experiences:

No	Institute/ Organization	Place	Position	Main Activity	Date	
					From	To
1	Dep. Biology, Islamic Azad University, Shahr-e-Qods branch	Tehran/ Iran	Instructor	Research	2007	Now
2	Shahid Beheshti University, Faculty of New Technologies & Energy Engineering	Tehran/ Iran	Instructor	Research	2002	2007

Performed or Performing Research and Industrial Projects:

No	Proposal Title	Performance Position	Project Sponsor	Date	
				From	To
1	Effect of melatonin in overcoming lead-induced oxidative stress in safflower	Principal Researcher	Research Council of the Shahr-e-Qods Branch of Islamic Azad University	2018	Cont.
2	Effect of Exogenous Salicylic acid and nitric oxide on antioxidant systems of <i>Carthamus tinctorius</i> L. under zinc stress	Principal Researcher	Research Council of the Shahr-e-Qods Branch of Islamic Azad University	2016	2017
3	Induction of phytochelatin and responses of antioxidants under cadmium stress in safflower seedlings	Principal Researcher	Research Council of the Shahr-e-Qods Branch of Islamic Azad University	2012	2013
4	Optimize the production of cellulose and other effective compounds in Kombucha	Principal Researcher	Shahid Beheshti University	2004	2005
5	The evaluation of the antibacterial activity of callus extract of safflower in comparison with in vivo condition	Principal Researcher	Shahid Beheshti University	2002	2003
6	In vitro micropropagation of Aloe vera L.	Researcher	Shahid Beheshti University	2002	2003
7	Tissue culture and artificial seed production in safflower	Researcher	Shahid Beheshti University	2000	2002

Scientific-Research Publications:

Papers:

1. Namdjoyan, S.H., Khavari-nejad, R.A., Bernard, F., Nejadstari, T., & Shaker, H. (2011). Antioxidant defense mechanisms in response to cadmium treatments in two safflower cultivars. *Russian Journal of plant Physiology*, **58**: 467-477.
2. Namdjoyan, S.H., Khavari-nejad, R.A., Bernard, F., Namdjoyan, S.H., & Piri, H. (2011). Effect of cadmium on growth and antioxidant responses in safflower (*Carthamus tinctorius* L.) callus. *Turkish Journal of Agriculture and Forestry*, **36**: 145-152.
3. Namdjoyan, S.H., Namdjoyan, S.H., & Kermanian, H. (2012). Induction of phytochelatin and responses of antioxidants under cadmium stress in Safflower (*Carthamus tinctorius* L.) seedlings. *Turkish Journal of Botany*, **36**: 495-502.
4. Namdjoyan, S.H., & Kermanian, H. (2013). Exogenous nitric oxide (as sodium nitroprusside) ameliorates arsenic-induced oxidative stress in watercress (*Nasturtium officinale* R. Br.) plants. *Scientia Horticulturae*, **161**: 350-356.
5. Namdjoyan, S.H., & Namdjoyan, S.H. (2016). Phytochelatin Synthesis and Response of Antioxidants During Arsenic Stress in *Nasturtium officinale* R. Br. *Russian Journal of plant Physiology*, **63**: 739-749.

6. **Namdjoyan, S.H., Kermanian, H., Abolhasani Soorki, A., Modarres Tabatabaei, S., & Elyasi, N.** (2017). Interactive Effects of Salicylic Acid and Nitric Oxide in Alleviating Zinc Toxicity of Safflower (*Carthamus tinctorius* L.). *Ecotoxicology*, **26**:752–761
7. **Namdjoyan, S.H., Kermanian, H., Abolhasani Soorki, A., Modarres Tabatabaei, S., & Elyasi, N.** (2018). Effects of exogenous salicylic acid and sodium nitroprusside on α -tocopherol and phytochelatin biosynthesis in zinc-stressed safflower plants. *Turkish Journal of Botany*, **42**: 271-279.

In Persian:

1. **Namdjoyan, S.H., Kermanian, H., Abolhasani Soorki, A., Modarres Tabatabaei, S., & Elyasi, N.** (2018). Sodium nitroprusside elevation of the zinc phytoremediation potential in safflower roots. *Environmental Sciences*, **15**: 109-122.

Conferences:

International:

1. **Namdjoyan, S.H., Khavari-nejad, R.A., Bernard, F., Nejdassattari, T., & Shaker H,** (2010). *Effect of Cadmium on Antioxidative Defense System in Calluses From Safflower Varieties*. International Phytotechnology Society Conference, Parma, Italy.
2. **Namdjoyan, S.H., Khavari-nejad, R.A., Bernard, F., Nejdassattari, T., & Shaker, H.** (2010). *Oxidative Stress and Antioxidant Defense Mechanisms in Response to Cadmium Treatments in Two Safflower Cultivars*. International Phytotechnology Society Conference, Parma, Italy.
3. **Shaker, H., Bernard, F., & Namdjoyan, S.H.** (2002). *Effect of Different Carbohydrates on the Accumulation of Total Lipid and Triglycerides in Safflower Calluses*. The 3rd International Iran and Russia Conference Agriculture and Natural Resources, Moscow, Russia.