

**Curriculum Vita
Of
FARAH FARAHANI
Associated professor**



Address :

**Department of Microbiology
Faculty of Basic Science
Qom Branch, Azad Islamic University,
Qom, I.R. Iran**

Email:

farahani@gomiau.ac.ir, farahfarahani2000@yahoo.com, botany412@gmail.com

Google scholar URL : <https://scholar.google.com/citations?user=fdkF0VMAAAAJ&hl=en>

Research gate ID : <http://ResearchID.co/farahani> <http://ResearchID.co/rid16664>

Scopus ID : Author ID: 24070409600

ID ORCID : orcid.org/0000-0002-2007-3931

ULR ORCID : <https://orcid.org/0000-0002-2007-3931>

Publons ID : Web of Science ResearcherID [AAP-5337-2021](https://publons.com/author/5337-2021)

High Education and Degrees

1996- 2000 Ph.D. , Islamic Azad University.

Title of Ph.D thesis : "Studying development and cellular of musa (Dwarf cavendish and Valery) in cell and tissue culture and Continuous Bioreactor (CB) and Semi-Continuous Bioreactor (SCB)"

1993- 1996 Master in Plant Biology (IR) Islamic Azad university .

Title of MSc thesis : "Research of histological and effects of anti-Microbial Crocus sativus L. (Saffron) and Myrtus communis L. plants"

1982- 1986 Bachelor in Biology (IR) Shiraz University

POSITION HELD

Sep. 2002 – up to now: Associate Professor, Department of Microbiology, Qom Branch, Islamic Azad University, Qom, Iran.

Oct. 2013- Oct. 2015: Director of education sector, Qom Branch, Islamic Azad University, Qom, Iran.

Oct. 2017- June 2019: Director of education sector, Qom Branch, Islamic Azad University, Qom, Iran.

Aug. 2014- Aug. 2018: Member of research sector (province), Qom Branch, Islamic Azad University, Qom, Iran.

Sep 2012-June 2019: Member of research sector (Branch), Qom Branch, Islamic Azad University, Qom, Iran.

Aug. 2016- up to now : Editor in chief of applied Biology Journal, Qom Branch, Islamic Azad University, Qom, Iran.

Aug. 2014- up to now : Editor in chief of Novin Journal, Qom Branch, Islamic Azad University, Qom, Iran.

April 2021 – up to now : Chief in medicinal plants research incubator, Qom Branch, Islamic Azad University, Qom, Iran.

May 2003- up to now: Coordinator of M.Sc. and Ph.D. students, Microbiology Department, Qom Branch, Islamic Azad University, Qom, Iran.

May 2018- up to now: Coordinator of M.Sc. and Ph.D. students, Genetic Department, Qom Branch, Islamic Azad University, Qom, Iran

TEACHING EXPERIENCE

M.Sc.:

- Histological investigations by Microcutting and using of Light microscope
- Extraction of parietal and stamen saffron and Leaves myrtus by Chemical substance
- Research of effects anti- microbial by Anti-biogramme tests
- Using of TLC (Thin Layer Chromatography) ,
- Using of Column Chromatography ,
- Using of Spectrophotometer ,

Ph.D.:

- Banana Cell and tissue culture ,
- Banana Micropropagation ,
- Designing of Continuous Bioreactor (CB) and Semi-Continuous Bioreactor (SCB) for the first time in Iran ,
- Temporary immersion explant culture in CB and SCB ,
- Histological of investigations by microcutting and Light microscope and Electron Microscope (T.E.M. and S.E.M.),
- Proteins extraction and researches Electrophoresis from leaves of Banana.

Computer knowledge

Word, Excel, File Maker, Scanner, Photoshop , power point , SSPS Software.

ACADEMY AWARDS

Distinguished of Research Professor of Basic Science of Faculty University (2020)

Distinguished of Research Professor of Microbiology Department University (2013, 2016)

Distinguished of Researcher University (2011)

Distinguished of Research Professor of Phytochemistry Congress University (2009)

Distinguished of Research Professor of Basic Science of Faculty Qom province (2009)

Elite women Qom province (2008)

Book

Cell and tissue Plant Culture, 2018.Publisher, Qom Branch Islamic Azad University, Qom, Iran [In Persian].

Applied of subjects in Cell and tissue Plant Culture, 2018.Publisher, Qom Branch Islamic Azad University, Qom, Iran [In Persian].

Campbell Biology, 2006 Publisher, Biology House, Tehran, Iran [Translated to Persian].

Solomon Biology, 2010 Publisher, Biology House, Tehran, Iran [Translated to Persian].

Professional Experiences

Data palm, Apple, ornamental and Drug plants)

1996- 2003 Tissue culture of Iran Company

Chief of group in Banana micropropagation of project ,

1999-2008 Visiting professor of Biology

2001- 2008 National Research Center of Genetic Engineering and Biotechnology (NRCGEB)

Chief of group in micrografting on Olive of project ,

Assistant in optimization of media culture and hormones of Olive of project ,

Assistant in Olive micropropagation of project ,

Assistant in rooting by PGPR (Plant Growth Promoting Rhizobacteria) in plantlets of Olive (for the first time in Iran and the world) of project ,

Assistant in optimization of media culture and hormones of Data palm of project ,

2001-2003 Persian Gulf Biotechnology Research Center (PGBRC)

Chief of group in banana micropropagation in Qeshm island ,

2003-continued Tissue culture of zarrineh Rooz company

Chief of group in plant micropropagation of projects (Banana, pineapple, potato,

2004-2006 Qom Branch – Islamic Azad university .

Assistant in Extraction of medical plant (Catharanthus roseus)

and research of effects anti-microbial and cytotoxic of project ,

2005-2007 Qom unit – Islamic Azad university .

Chief of group in somaclonal variation Cotton of project ,

2006-2007 Qom Branch – Islamic Azad university .

Chief of group in somaclonal variation in Banana of project ,

2010-2012 Qom Branch – Islamic Azad university .

Chief of group in Micropropagation of pineapple to transferring in soil of project ,

2012-2013 Qom Branch – Islamic Azad university .

Chief of group in Optimization of production of artificial seed by encapsulating somatic embryo in malling apple rootstock

2013-2015, Qom Branch – Islamic Azad university .

Chief of group in Research Genetic Structural and Gene pool of *Ziziphus (Zizyphus jujube* Mill.) medicinal Plant in Iran

2015-2017, Qom Branch – Islamic Azad university .

Chief of group in Research Genetic variation and relationship between commercial varieties crop cotton (*Gossipum hirsetum* L.) by satellite markers (SSR, ISSR)

Teachings and study trips

Visiting Professor of Biology , Islamic Azad University of Qom- Biology of Department
1999- continued : Plant Physiology, Plant Biology, cell and plant tissue culture, plant Biotechnology, Research methods,

Study trip

Qeshm Island : Subjects Of studies: Research resistance varieties of Musa plants Tissue culture Of banana plants (PGRBC)

Subjects of studies :

- * Tissue culture of plants (Banana, Pineapple, Ornamental Plants eg. Orchid)
- * Research of somatic embryogenesis Olive ,
- * Research of optimization tissue culture and somatic embryogenesis in Date palm for gene transferring by Biolistic technique ,
- * Potato Tissue culture and microtuberziation ,
- * Olive Micrografting ,
- * Plant Transformation (Potato and Olive) ,
- * Micropropagation of Malling apple, GF677, GN

*** Certificate**

This is a innovation project that published in Noavaran magazine of IROS:

- * Ananas Micropropagation ,
- This is innovation project for the first time in Iran :
- * Application of PGPR in plantlets of Olive rooting ,
- This is innovation project in Iran and the World .

As a lecturer of workshop on

- * Tissue culture of olive with :ABRI (1998)

* Tissue culture of banana with :ABRI (Agriculture Biotechnology Research of Iran) (1999)

* Potato transformation with : NRCGEB (2002)

Workshop

2003, Gene transformation in Potato (Tehran-Iran)

2004, Micrografting in olive (Malaga - Spain)

2004, Bioinformatics (Tehran- Iran)

2018, Plant Tissue culture (Tehran- Iran)

Reviewer and Referrer In Projects and Journals

2005, Project :Research on Hoze Soltan of saline river ecologically in Qom.

2005, Project :Effects of water pollution on plants in saline regions .

2005, continued , Journal : Iranian Journal of Biotechnology (IJB) .

2006 , Papers in Basic sciences and medical congress .

2009, Research Flora in some of Qom region

2009, Research Diatoms alges

2010, Referrer of African J. Biotechnology, African J. Agriculture Research

2011, Referrer of J. Medicinal Plant Research ,

2012, Referrer of Cellular and molecular Biotechnology (Parand Branch, Islamic Azad University)

2010, Referrer of Applied Biology (Qom Branch, Islamic Azad University)

2015, Editorial Board Member, Journal of Natural Products Research Updates,

2015, Referrer of Journal of Cellular and Molecular Researches (Iranian Journal of Biology)

2015, Editorial Board Member (Journal of Natural Products Research Updates – JNPRU-India)

Selected Publications

Farahani F.,Majd A., Zarghami R., 2000. Designing Semi-Continuous Bioreactor for Banana (*Musa acuminata* L. cv, Dwarf Cavendish) growing and multiplication, **Basic Science Journal**, 8: 134-146.

Daniyaie A., Mousavi A. , Farahani F. , Dehsara B. , Zaeafi Zadeh M. (2010). The Effects of Genotype and Cytokinins on Embryogenic Callus Production of Date Palm (*Phoenix dactylifera* L.), **Novin Genetic**, 4(3): 63-70.

Tabesh F., Peivandi M., Farahani F., Hosseini Mazinani S.M. (2006). Influence of Mannitol and Sucrose on the Olive in vitro Culture for Iranian Cultivars (Zard and Dezful), Korea Institute of Horticulture, 465-465.

Farahani F., Peyvandi M., Ataii S. and Hosseini Mazinani M., (2006) *In vitro* micrografting: a technique to improve multiplication and rooting plantlets (2006)_proceeding, (**2th International Seminar Biotechnology And Quality Of Olive Tree Products Around The Mediterranean Basin**) OliveBioteq

Peyvandi M., Banihashemi O., Majd A., Farahani F., (2006). The study of Cobalt effects on *In vitro* propagation of *olea europea* L. (cv. Rowghani) (2006) Proceeding, (**2th International Seminar Biotechnology And Quality Of Olive Tree Products Around The Mediterranean Basin**) OliveBioteq

Sheidai M., Vaezi S., Shahreiyari Z.H., Noormohammadi Z., Farahani F., (2007). Study of Genetic diversity in some Olive (*Olea europea* L. Cultivars by using RAPD marker, (2007), **Pakistan Journal of Biological Sciences**, 10 (17) : 2972-2975.

Sheidai M., Dokhanchi A., Shahreiyari Z.H., Noormohammadi Z., Farahani F., (2007). Study of Genetic Polymorphism in some Tetraploid Cotton Cultivars by using RAPD analysis, **Pakistan Journal of Biological Sciences**, 10 (16): 2748-2751.

Sheidai M., Aminpoor H., Noormohammadi Z., Farahani F., (2008). RAPD analysis of somaclonal variation in banana (*Musa acuminata* L.) cultivar Valery, **Acta Biologica Szegediensis**, 52 (2): 303-311.

Farahani F., Peyvandi M., Mazinani M.H., (2008). Effect of sucrose and mannitol on *In vitro* regeneration of Olive cv. Rowghani , (2008) **Acta Hort.**, 791: 203-208.

Sheidai M., Yahyazadeh F., Farahani F., Z.H., Noormohammadi, (2008). Genetic and morphological variations induced by tissue culture in tetraploid cotton (*Gossypium hirsutum* L.), **Acta Biologica Szegediensis**, 52 (1): 33-38.

Farahani F., Aminpoor H., Sheidai M., Saneghi A., Z.H., Noormohammadi, Mazinani M.H., (2008). An improved system for *in vitro* propagation of Banana (*Musa acuminata* L.) cultivars, **Asian Journal of Plant Sciences**, 7 (1): 116-118.

Sheidai M., Saneghi A., Shahreiyari Z.H., Noormohammadi Z., Farahani F., Tabatabaei S.Z., (2008). RAPD and Cytogenetic study of some Pomegranata (*Punica granatum* L.) cultivars, **Caryologia**, 61(1): 68-73.

Peyvandi M., Noormohammadi Z., Banihashemi O., Farahani F., Majd A., Hosseini-Mazinani M., Sheidai M., (2009). Molecular analysis of genetic stability in long-term micropropagated shoots of *Olea europaea* L. (cv. Dezful), **Asian Journal of Plant Sciences**, 8 (2): 146-152.

Peyvandi M., Farahani F., Noormohammadi Z., Banihashemi O., Hosseini-Mazinani M., Ataee S., (2009). Mass production of *olea europea* L. (cv. Rhowghani) through micropropagation, **General and Applied Plant Physiology**, 35 (1-2): 35-43.

Tafvizi F., Farahani F., Sheidai M., (2009). Effects of zeatin and activated charcoal in proliferation of shoots and direct regeneration in cotton (*Gossypium hirsutum* L.) Cultivars, **African Journal of Biotechnology**, 8 (22): 6220-6227.

Tafvizi F., Sheidai M., Farahani F. (2011)., Investigation of Genetic Diversity in Cotton Cultivars using RAPD Markers, **New Cellular and Molecular Biotechnology Journal** 1(1): 7-14.

Hasrak S., Zarghami R., Farahani F., Khosroshali M., (2009). Consideration and comparison of two micropropagation methods (bioreactor system and solid culture) on morphological, yield and yield components parameters of potato minitubers in greenhouse, Proceeding (**2th Agricultural Biotechnology Conference**).

Proceeding (Hasrak S., Zarghami R., Farahani F., Khosroshali M., (2009). Consideration the effect of two different medium on morphological and yield parameters of potato plantlets cv. Satina in greenhouse , **The 6th national Biotechnology Congress of I.R. Iran**)

Zargar M., Farahani F., Nabavi T., (2010). Hairy roots production of transgenic *Catharanthus roseus* L. plants with *Agrobacterium rhizogenes* under *in vitro* conditions, **African Journal of Medicinal Plant Research**, 4 (21): 2199-2203.

Tafvizi F., Sheidai M., Farahani F., Nourmohammadi Z., Alishah O. (2010). Somaclonal variation in three tetraploid cotton (*Gossypium hirsutum* L.) cultivars, **Geneconserve**, 9, 1-10.

Tafvizi F., Sheidai M., Nourmohammadi Z., Alishah O., Farahani F., (2010). Cytogenetic and RAPD analysis of cotton cultivars and their F1progenies (2010), **Caryologia**, 63 (1): 73-81.

Farahani F., Yahyazadeh F., Sheidai M., (2010). Optimization of *In vitro* direct regeneration of multiple shoots in upland Cotton (*Gossypium hirsutum* L.) cv. Iranian varieties, **African Journal of Agriculture Research**, 5(1): 1304-1309.

Peyvandi M., Farahani F., Noormohammadi Z., Hosseini-Mazinani M., Ataee S., (2010). Pseudomonas flourcent and which ability to promote root formation of olive microshoot, **International Journal plant production**, 4 (1): 63-66.

Sheidai M., Aminpoor H., Noormohammadi Z., Farahani F. (2010). Genetic variation induced by tissue culture in Banana (*Musa acuminata* L.) cultivar Cavandish Dwarf (2010), **Geneconserve**, 9,1-10.

Farahani F., Zargar M. and Nabavi T., (2011). Anti-bacterial activity of *in vitro* produced alkaloids in *Catharanthus roseus* L. (2011), **African Journal Microbiology Research**, 5(27): 4769-4773.

Zargar M. , Abdul Hamid , A., Abu Bakar F., Nor Shamsudin M., Shameli K., Jahanshiri F., Farahani F., (2011). Green Synthesis and Antibacterial Effect of Silver Nanoparticles Using Vitex Negundo L., (2011) **Molecules**, 16, 6667-6676.

Noormohammadi Z., Shojaei F., Sheidai M., Farahani F., Alishah O., (2011). ISSR and RAPD analysis of genetic diversity in Mehr cotton cultivar and its crossing progenies, **African J. Biotechnology**, 10(56): 11839-11847.

Farahani F., Yari R., Sheidai M., (2011). Molecular, C-value and morphological analyses of somaclonal variation in three olive cultivars, (2011), **African Journal Plant Science**, 5(9): 493-499.

Farahani F., Peyvandi M., Razeghi S., Attaei S., Hosseini Mazinani M., (2011). Micrografting and Micropropagation of Olive (*Olea europea* L.) Iranian Cultivar: Zard, **African Journal of Plant Science**, 5(11): 671-675.

Yari R., Farahani F., Sheidai M., (2011). Study of morphological traits changes in prolonged vegetative reproduction of three olive tree Cultivars domesticated (Zard, Roughani and X) in Iran, **African Journal of Research Agriculture**, 6(29): 6320-6325.

Farahani F., Yari R., Sheidai M., (2011). Somaclonal variation in Dezful cultivar of olive (*Olea europaea* subsp. *europaea*), **Gene Conserve**, 40, 216-232.

Yari R., Farahani F., Sheidai M., Montaser-Kohsar S., Fahimi H., (2011). The effects of prolonged vegetative reproduction of the two Iranian olive cv. tree cultivars (Dezful Baghmalek and Dezful Safiabab) on morphological traits, **African Journal Biotechnology**, 10(45), 9076-9081.

Farahani F., Shaker S., (2012). Propagation and growth from cultured single node explants of rosa (*Rosa miniature*). **African Journal Plant Science**, 6(10), 277-281.

Farahani F. and Majd A., (2012). Comparison of liquid culture methods and effect of temporary immersion bioreactor on growth and multiplication of banana (Musa, cv. Dwarf Cavendish). **African Journal Biotechnology**, 11(33): 8302-8308.

Sheidai M., Shojaei-Jesvaghani F., Noormohammadi Z., Farahani F., Alishah O, (2012). SSR and ISSR analyses of genetic diversity in tissue culture regenerated plants of cotton, **African Journal Biotechnology**, 11(56): 11894-11900.

Noormohammadi Z., Sheidai M., Farahani F., Shojaei Jeshvaghani F., Alishah O. (2012). Cytogenetic Analysis of Mehr Cotton Cultivar and Its Crossing Progenies: A Search for Unreduced Pollen Grains, **CYTOLOGIA**, 77 (1): 107-112.

Noormohammadi Z., Shojaei-Jesvaghani F., Sheidai M., Farahani F., Alishah O. (2011). Inter simple sequence repeats (ISSR) and random amplified polymorphic DNA (RAPD) analyses of genetic diversity in Mehr cotton cultivar and its crossing progenies. **African Journal Biotechnology**, 10(56): 11839-11847.

Noormohammadi, Z., Farahani, F., Safarzadeh, M., Sheidai, M. (2013). Study of morphological traits changes in different media culture of two apple rootstocks (M26 and MM106), (2013). **MALAYSIAN APPLIED BIOLOGY**, 42(1): 25-33.

Farahani F. (2013). Growth, flowering and fruiting *in vitro* pineapple (*Ananas comosus* L.) in greenhouse conditions, **African Journal of Biotechnology**, 12(15): 1774-1781.

Zargar M., Shameli K., Najafi G.R., Farahani F. (2014). Plant mediated green biosynthesis of silver nanoparticles using *Vitex negundo* L. extract, **Journal of Industrial and Engineering Chemistry**, 20, 4169-4175.

Zahraee B., Noormohammadi Z., Farahani F., Sheidai M. (2014). Analysis of genetic diversity in cotton cultivars under drought stress, **GeneConserve**, 13 (51): 04-21.

Noormohammadi Z., Kangarloo-Haghighib B., Sheidai M., Farahani F., Ghasemzadeh-Baraki S. (2014). Genetic stability versus somaclonal variation in tissue culture regenerated olive plants (*Olea europea* cv. Kroneiki), **European Journal of Experimental Biology**, 4(3):135-142, ISSN: 2248 –9215

Sheidai M., Yari R., Farahani F., Noormohammadi Z. (2014). Evaluation of genetic diversity in cultivated (*O. europaea* subsp. *europaea* L. ssp. *europaea* var. *europaea*) and wild olives (*Olea cuspidata* Wall) using genome size and RAPD markers, **The Nucleus**, 57(3): 215–222.

Farahani F. (2014). Micropropagation and growth of *in vitro* pineapple (*Ananas comosus* L. Merr) in Iran, **Plant Archives**,14(1): 337-341.

Arzhang M., Dakhili M., Farahani F. (2015). Investigation of chemical compounds and anti-microbial activity of essential oil of *Melissa officinalis* L. **Qom Univ. Med. Sci. J.**, 9(1):7-13. (ISC)

- Farahani F., Noormohamadi Z., Nejad Satari T. (2015). Optimization of synthetic see production in MM106 apple rootstocks from somatic embryos and axillary buds, **Bulletin Of Environment, Pharmacology and Life Sciences**, 4(6): 68-78 (ISI, IF= 0.982)
- Kangarloo-Haghighib B., Noormohamadi Z., Farahani F., Ghasemzadeh-Baraki S., Sheidai M., (2015). An assessment of tissue culture-induced genetic variability in olive (*Olea europaea* L.) using chloroplast *rpl16* intron sequences and single primer amplification reaction (SPAR) markers, **The Journal of Horticultural Science & Biotechnology**, 90(6), 719-723.
- Habibollahi H., Noormohammadi Z., Sheidai M., Farahani F. (Aug. 2015). SSR and EST-SSR-based population genetic structure 3 of Linum L. (Linaceae) species in Iran, **Genetic resources and crop evolution**, 62(6): 1-12.
- Ghasemali F., Farahani F., Sheidai M., Nejad Satari T. (2015). Research Somaclonal variation from cytogenetic studying in regenerated plants via somatic embryogenesis of banana (*Musa acuminata* L.) cv. Dwarf Cavendish in Iran, **Geneconserve**, 14 (56): 32-55.
- Habibollahi H., Noormohammadi Z., Sheidai M., Farahani F. (2015). Genetic structure of cultivated flax (*Linum usitatissimum* L.) based on retrotransposon-based markers, **Genetika**, 47(3): 1111-1122.
- Noormohammadi Z., Fazeli S., Sheidai M., Farahani F. (2015). Molecular and genome size analyses of somaclonal variation in apple rootstocks Malling 7 and Malling 9, **Acta Biologica Szegediensis**, 59(2):139-149.
- Fazeli S., Noormohammadi Z., Sheidai M., Farahani F. (2016). Looking for genetic diversity in Iranian apple cultivars (*Malus domestica*), **Journal of Sciences Islamic Republic of Iran**, 27(3): 205-215.
- Zarrin Kamar E., Farahani F., Noormohammadi Z., Nejad Satari T., 2015. Research rate of in vitro proliferation Malling apple (*Malus domestica*) rootstocks cv. M26 and cv. MM106, **Applied Biology Journal**, 5(3): 1-6.
- Bayanii A., Farahani F., Noormohammadi Z. (2016). Optimization micropropagation of Aloe (*Aloe littoralis*) medicinal plant native in Iran, **Applied Biology Journal**, 4(3): 19-25.
- Farahani F., Shaker S., (2016). In vitro flowering ornamental and medicinal plant Rosa damascene Mill. Rosa miniature variety, **Applied Biology Journal**, 5(1): 1-11.
- Ghaeini S., Farahani F., Jamaloo F., (2016). Comparison effects of subculture on pineapple (*Ananas comosus* L. Merr.) micropropagation, **Applied Biology Journal**, 5(1): 20-30.

Habibollahi H., Noormohammadi Z., Sheidai M., Farahani F. (2016). Fatty acid composition in *Linum* species: Species delimitation and diversity, **PHYTOLOGIA BALCANICA**, 22 (3): 355 – 362.

Moradi Z., Farahani F., Sheidai M., Nejad Satari T. (2017). Somaclonal variation in banana (*Musa acuminata* colla cv. Valery) regenerated plantlets from somatic embryogenesis studied histological and cytogenetic approaches, **Caryologia (International Journal of Cytology, Cytosystematics and Cytogenetics)**, 70(1): 1-6.

Habibollahi H., Farahani F., Noormohammadi Z., Sheidai M. (2017). Comparison of morphological traits changes in prolonged vegetative production of three crop Flax (*Linum usitatissimum* L.) Populations and wild (*Linum album*) Domesticated in Iran, **Romanian Journal of Biology - Plant Biology**, 61(1-2), 33-42.

Nouri Kohpahi F., Farahani F., Noormohammadi Z. (2017). Somaclonal variation in the *in vitro* regenerated pineapple (*Ananas comosus* L. Merr); an investigation on the cellular characteristics, biochemical specificities, and the inters simple sequence repeat (ISSR) markers, **Phytologia Balcanica**, 23(1), 73-83. (ISI).

Partovi R., Farahani F., Sheidai M., Nejad Satari T. (2017). Isolation of protoplasts banana (*Musa acuminata* Colla) CVs. Dwarf Cavendish and Valery and research morphological and cytogenetic their plantlets regenerated, **International Journal of Cytology, Cytosystematics and Cytogenetics, CYTOLOGIA**, 82(4): 395-401.

Habibollahi H., Noormohammadi Z., Sheidai M., Farahani F., Talebi S.M., Torabizadeh E. (2017). Assessments of genetic diversity in Iranian flax populations using retrotransposon microsatellite amplification polymorphisms (REMAP) markers, **The Nucleus**, 1-6.

Noormohammadi Z., Ghasempoor B., Farahani F. (2018). Research somaclonal variation in vitro regenerated *Aloe barbadensis*, **Nova Biologica Reporta**, 5(1): 72-81.

Farahani F., Sheidai M., Kohdar F. (2018). Genetic variability analysis in tetraploid cotton (*Gossypium hirsutum*) by ISSR molecular markers, **Genetika**, 50(2): 627-634.

Noormohammadi Z., Taban M., Farahani F. (2018). The impact of Gamma radiation on Tdc and Str gene expressions in *Catharanthus roseus* regenerated plantlets, **BIODIVERSITA Journal Of Biological Diversity**, 19(5): 1805-1810

Farahani F., Yari R., Noormohammadi Z., Sheidai M. (2018). Study of morphological traits changes in the In vitro plantlets of three olive cultivars domesticated ('Dezful Baghmalek',

'Dezful Safiabad' and 'Roughani') in Iran, **Acta Horticulturae, VIII International Olive Symposium,**

Farahani F., Bayanii A., Noormohammadi Z. (2019). Assesment of genetics diversity two medicinal plants: *in vitro Aloe barbadensis* and *Aloe littoralis* using morphological and C- value DNA of flow cytometry. **Genetika**, 51(2):

Normohammadi Z., Mohamadzadeh Shahpar M., Fahmi D., Atyabi S.M., Farahani F. (2019). Effect of cold atomospheric plasma treatment on morphology and genetic variation of medicinal plant *Catharantus roseus* L. **Nova Biologica Reporta**, Accepted.

Farahani F., Sedighzadegan A., Sheidai M., Kooohdar F. (2019). Population genetic study of *Ziziphus jujuba* Mill. : Insight in to wild and cultivated plants genetic structure, **Caryologia: International Journal of Cytology, Cytosystematics and Cytogenetics**, 72(4): ?????

Nabavi S.T., Farahani F., Sheidai M., Poursakhi K., Naeini M.R. (2019). Population genetic study of *Ziziphus jujuba* Mill. : Insight in to wild and cultivated plants genetic structure, **Caryologia: International Journal of Cytology, Cytosystematics and Cytogenetics**, 72(4): ????

Mohammadzadeh Shahir M., Noormohammadi Z., Farahani F., Atyabi S.M. (2019). The potential use of Methyl jasmonate, putrescine and Cold atmospheric plasma on genetic variability and seedling growth improvement in medicinal plant *Catharanthus roseus* L. cultivar, **Industrial Crops and Products**, 140(15): 111601.

Noormohammadi Z., Mohammadzadeh Shahir M., Fahmi D., , Atyabi S.M., Farahani F. (2019). Induced genetic and morphological changes in *Catharanthus roseus* L. by cold atmospheric plasma, **Nova Biologica Reperta**, 6(3): 302-310.

NoormohammadI Z., Asghari-Mooneghi N., Farahani F. (2020). Effect of gamma radiation on morphological and genetic variation in regenerated plantlets *Catharanthus roseus* L. (G) Don.- **Genetika**, 52(1): 15-28.

NoormohammadI Z., Habibollahi H., Farahani F., Sheidai M. (2020). Molecular analysis of somaclonal variation in *Linum usitatissimum* and *L. album* , *Plant Gene*, 24: 1000261.

Noormohammadi Z., Torabzadeh E., Farahani F., Alishah O., Sheidai M. (2020). Genetic and Physiological analysis of Cotton cultivars under salt stress, **Genetika**, 52(2): ????.

Shahsavari S., Noormohammadi Z., Sheidai M., Farahani F., Vazifeshenas M.R. (2021). New approach in phytochemical and morphological variation in fruit and juice fruit in pomegranate (*Punica granatum L.*) of commercial varieties, **Nova Biologica Reperta**, 7(4):442-452.

Shahsavari S., Noormohammadi Z., Sheidai M., Farahani F., Vazifeshenas M.R. (2021). Genetic structure, clonality and diversity in commercial pomegranate (*Punica granatum L.*) cultivars, **Genetic Resources and Crop Evolution**, Accepted.

Shahsavari S., Noormohammadi Z., Sheidai M., Farahani F., Vazifeshenas M.R. (2021). Research cytogenetical pomegranate (*Punica granatum L.*): Meta-analysis, **Iranian Journal of Biological Science**, 15(1): 9-17.

Maryam Marzban, Farah Farahani, Seyed Mohammad Atyabi, Zahra Noormohammadi (2021). genetic and chemical changes in medicinally important plant *Catharanthus roseus (L.) G. Don*: cold plasma and phytohormones, **Molecular Biology Reports**. Accepted

Conferences

- 1-1996 1 st Conference of Medicinal plants and Industrial (Poster- shiraz - Iran)
- 2- 1997 6 th Conference of Iran Biology (Poster- Kerman - Iran)
- 3- 1998 7th Conference of Iran Biology (Poster- Esfehan - Iran)
- 4- 1999 1 st Congress International of Biotechnology in Iran (Poster- Tehran – Iran)
- 5- 1999 1 st Congress planting of tree in region of Varami (Oral- Tehran -Iran)
- 6- 2000 2th Congress of Horticulture (Poster- Karaj - Iran)
- 7- 2000 1 st Congress Biology Application (Poster- Mashhad - Iran)
- 8- 2000 9 th Conference of Iran Biology (Poster- Tehran - Iran)
- 9- 2001 10th Conference of Iran Biology (Poster- Shiraz – Iran)
- 10- 2002 Agriculture magazine with Islamic Azad university (Iran)
- 11- 2003 1 st Congress cellular and developmental of Biology (Poster- Tehran – Iran)
- 12- 2004 5 th International symposium of on olive Growing (Poster- Turkeyie-Izmir)
- 13- 2005 5 th International Pineapple symposium (Oral- Port Alfred – South Africa)
- 14- 2005 5 th In vitro meeting (Oral- Maryland – USA)
- 15- 2005 17 th International Botany symposium (Poster- Vienna – Austria)
- 16- 2005 1 st International conference Microbe and plant entophytic (Poster- Helsinki - Finland)
- 17- 2005 1st International conference Microbe and plant entophytic (Poster- Helsinki-Finland)
- ?? 2005 3th International Date Palm Conference (Emiraates)
- 18- 2006 International Biology Congress (Poster- Tehran – Iran)

- 19- 2006 Plant Genetics Conference (Poster- Kiel, Germany)
- 20- 2006 International of plant tissue culture biotechnology (Poster- Beijing – China)
- 21- 2006 IHC (Poster- Seoul – Korea)
- 22- 2006 IHC (Poster- Seoul – Korea)
- 23- 2006 1st Basic Sciences and Medical congress (Oral- Qom – Iran)
- 24- 2006 3th International congress Date Palm (Poster- Emirate)
- 25- 2006 3th International Congress Date Palm (Poster- Emirate)
- 26- 2006 5th Congress of Horticulture (Poster- Kerman- Iran)
- 27- 2006 7th Congress International of Biotechnology in Iran (Oral- Mashhad- Iran)
- 28- 2007 4th International Biotechnology Symposium (Poster- IBS and 1st Pakistan-China–Iran International Conference on Biotechnology, Bioengineering and Biophysical Chemistry (ICBBB'07) (Poster- Jamshoro, Pakistan)
- 29- 2007 International Aromatic plants Congress (Poster- Antalya- Turkey)
- 30- 2008 4th International Symposium Acclimatization & Establishment Of Micropropagated Plants (Poster- Bangalore- India)
- 31- 2008 4th International Symposium on Tropical and Subtropical Fruits (Poster- Bogor- Indonesia)
- 32- 2009 4th Global Summit on Medicinal & Aromatic Plants (GOSMAP) (Oral- Kuching, Sarawak, Malaysia)
- 33- 2009 2th Agriculture Biotechnology Conference (Poster- kerman- Iran)
- 34- 2009 6th Horticulture science congress (Poster- Rasht- Iran)
- 35-2009 6th National Biotechnology Congress of I.R. Iran (Poster- Tehran- Iran)
- 36- 2009 8th International symposium on the chemistry of natural compounds (Oral- 8th SCNC) (Eskisehir- Turkey)
- 37-2009 57th International congress and annual meeting of the society for medicinal plant natural product research (Poster- Geneva- Switzerland)
- 38- 2010 28th International Horticulture Congress (Oral- Lisboan- prtugal)
- 39- 2010 The National Phytochemistry Conference (Oral- Qom- Iran)
- 40- 2010 The National Phytochemistry Conference (Poster- Qom- Iran)
- 41- 2011 The 7th National Congress of I. R. Iran (Poster- Tehran, Iran)
- 42- 2011 Moscow Conference on Computational Molecular Biology (MCCMB'11) (Poster- Moscow- Russia)
- 43-2012 The 8th National Congress of I. R. Iran (Poster- Kerman, Iran)

- 44-2013 2nd National Conference on New Concepts in Agriculture (Oral, Saveh, Iran)
- 45- 1st The International Congress and 13th National Congress Genetic of Iran (Poster, Tehran-Iran)
- 46- 2013 BioScience Congress (Poster, Isfahan, Iran)
- 47- 2014 The National BioScience Conference (Poster, Damghan, Iran)
- 48- 2015- International Medicinal plant Conference (Poster, Tehran, Iran)- Shaker
- 49- 2015- International Medicinal plant Conference (Poster, Tehran, Iran)- Habibollahi
- 50- 2015-4th Iranian Conference of Plant Physiology (Poster, Tehran, Iran)- Habibollahi
- 51- 2015- 4th Iranian Conference of Plant Physiology (Poster, Tehran, Iran)- Torabzadeh
- 52- 2015- International Conference on Sustainable Development with a focus on Agriculture, Environment and Tourism, (Poster, Tabriz, Iran) (Talebi)
- 53- 2016- The 2nd National Congress Biology (Oral, Damghan-Iran)- Aghaii
- 54- 2016- The 2nd National Congress Biology (Poster, Damghan-Iran)- Gaeeni
- 55- 2016- The 2nd National Congress Biology (Poster, Damghan-Iran)- Nouri
- 56- 2016- The 7th International Congress and 19th National Congress Biology (Oral, Tabriz-Iran)- Aghaii
- 57- 2016- The 7th International Congress and 19th National Congress Biology (Poster, Tabriz-Iran)- Taban
- 58- 2016 - 8th international olive symposium (Oral, Split-Croatia)- Farahani
- 59- 2016- 8th international olive symposium (Oral, Split-Croatia) – Noormohammadi
- 60- 2017- XXVII ANNUAL CONFERENCE OF INDIAN ASSOCIATION FOR ANGIOSPERM TAXONOMY & INTERNATIONAL SYMPOSIUM ON “PLANT SYSTEMATICS: PRIORITIES AND CHALLENGES (Oral, New Delhi- India)- Farahani
- 61- 2018- The 8th International Congress and 20th National Congress Biology (Poster, Maraghe-Iran)- Shamsaii.
- 62- 2018- The 8th International Congress and 20th National Congress Biology (Poster, Maraghe-Iran)- Nabavi.
- 63- 2018- The 8th International Congress and 20th National Congress Biology (Poster, Maraghe-Iran)- Fahmi.
- 64- 2018- The 8th International Congress and 20th National Congress Biology (Poster, Maraghe-Iran)- Mohammadzadeh Shahpar.