

Resume



Personal Data:

Name & Family Name: Hamideh Ofoghi

Place of Birth & Nationality: Tehran / Iran, Iranian

Present Position: Associate professor of Molecular Biotechnology at the Iranian Research Organization for Science and Technology (IROST).

Mailing Address: Biotechnology Dep., IROST, Ahmadabad Mostoufi Rd., Azadegan Highway, P. O. Box 3353-5111, Tehran 3313193685, Iran

Tel: (+9821)56276325-9,

Fax: (+9821) 56276636,

Tel: +98 21 56 27 66 13, Fax : 0098 21 56 27 55 10, Mobile +98 912 148 86 99

E-mail: ofoghi@irost.ir_ , hamideh2@yahoo.com

Educational Background:

1993-1999: **Doctor of philosophy** (Ph.D). in Biotechnology, Molecular Biology unit, Pasteur Institute of Iran. Tehran/ Iran.

1989-1992: **Master of Science** (Ms.) in Microbiology, Dept. of Microbiology, Faculty of Science, Tehran University, Iran.

1984-1988 : **Bachelor of Science** (B.Sc.) in Microbiology from Faculty of Science Tehran University , Iran.

Publications (Published Papers):

1. Javad Sarvmeili , Bahram Baghban Kohnhrouz, Ashraf Gholizadeh , Dariush Shanehbandi & **Hamideh Ofoghi** (2024): Immunoinformatics design of a structural proteins driven multi-epitope candidate vaccine against diferent SARS-CoV-2 variants based on fynomer, Scientific Reports | 14:10297 | <https://doi.org/10.1038/s41598-024-61025-2>
2. Maryam Aghazadeh, Hossein Askari , Naser Farrokhi and **Hamideh Ofoghi**: (2024): Experimental and In Silico Investigations of the Role of Ketoacyl-ACP Synthase (KAS) Genes in Lipid Production of *Chlamydomonas reinhardtii* Under Nitrogen Stress, Bio -Nano -Science <https://doi.org/10.1007/s12668-024-01590-y>
3. Sohrab Sam, **Hamideh Ofoghi*** & Behrokh Farahmand (2024): Developing of SARS-CoV-2 fusion protein expressed in *E. coli* Shuffle T7 for enhanced ELISA

detection sensitivity—an integrated experimental and bioinformatic approach, *Journal of Biomolecular Structure and Dynamics*, <https://doi.org/10.1080/07391102.2024.2302941>

4. Reza Khodadadi, Manouchehr Eghbal, **Hamideh Ofoghi**, Alireza Balaei , Ali Tamayol, Karen Abrinia, Amir Sanati-Nezhad, Mohamadmahdi Samandari, (2024): An integrated centrifugal microfluidic strategy for point-of-care complete blood counting, *Biosensors and Bioelectronics*, <https://doi.org/10.1016/j.bios.115789>
5. Maria Missaghi, Fataneh Yari, Amir Mousavi, Younes Mostofi & **Hamideh Ofoghi** (2024): Optimisation of Agrobacterium-mediated transformation in *Saintpaulia ionantha* H. Wendl using response surface methodology (RSM), *New Zealand Journal of Crop and Horticultural Science*, DOI: 10.1080/01140671.2024.2399827
6. Maryam ghayomi abkenar , Mokhtar Jalali Javaran & **Hamideh Ofoghi** (2024): Transient Expression of Reteylase Gene (rPA) Under Methyl jasmonat Treatment in Cucumber (*Cucumis Sativus* L.); DOI :([10.30479/IJGPB.2023.18604.1337](https://doi.org/10.30479/IJGPB.2023.18604.1337))
7. Missaghi M., Yari F., Mousavi A. , Mostofi Y. and **Ofoghi H** : (2024) Optimization of direct organogenesis in African violet (*Saintpaulia ionantha*) using response surface methodology; *Journal of Plant Research* Volume:36 | Issue:4 Page(s): 374-388
8. Sarvmeili Javad, Baghban Kohnehrouz Bahram, Gholizadeh Ashraf, **Ofoghi Hamideh**, Shanebandi Dariush (2023): Introduction of an Efficient Multiepitopic Vaccine Against Different SARS -CoV -2 Strains: Reverse Vaccinology, *Journal of Health and Biomedical Informatics Medical Informatics Research Center*; 10(3): 269-293 [10.34172/jhbmi.2023.31](https://doi.org/10.34172/jhbmi.2023.31)
9. Hassan Zadabbas Shahabadi, Arash Akbarzadeh*, **Hamideh Ofoghi***, Saeid Kadkhodaei (2023): Site-Specific Gene Knock-In and Bacterial Phytase Gene Expression in *Chlamydomonas reinhardtii* via Cas9 RNP-Mediated HDR; *Frontiers in plant science* Vol14 [https://10.3389/fpls.2023.1150436](https://doi.org/10.3389/fpls.2023.1150436)
10. Alireza Valdiani · **Hamideh Ofoghi**: ((2023); Enzymatic approaches against SARS-CoV-2 infection with an emphasis on the telomere-associated enzymes; *Biotechnol Lett.* <https://doi.org/10.1007/s10529-023-03352-4>
11. Soroosh Danaee , **Hamideh Ofoghi**, Seyed Mohammad Heydarian , and Neda Badali Varzaghani (2023): Multi Response Surface Optimization, Pareto Analysis and Kinetics Study of Microalgal Post-Treatment Systems, *Environmental Technology* DOI: 10.1080/09593330.2022.2066480

12. Missaghi, M., F. Yari, A. Mousavi, Y. Mostofi, **H. Ofoghi**. (2023) 'African violets' organogenesis responding to hormonal interaction'. Iranian Journal of Plant Physiology 13 (2),4487- 4494.
13. Missaghi M., Yari F., Mousavi A. , Mostofi Y. and **Ofoghi H.**(2023) Optimization of direct organogenesis in African violet (*Saintpaulia ionantha*) using response surface methodology; Journal of Plant Research |Year:2024 | Volume:36 | Issue:4 Page(s): 374-388
14. Maryam Ehsasatvatan, Bahram Baghban Kohnehrouz1 , Ashraf Gholizadeh , **Hamideh Ofoghi** and Dariush Shanehbandi (2022) The production of the first functional antibody mimetic in higher plants: the chloroplast makes the DARPin G3 for HER2 imaging in oncology; *Biological Research* 55:32 <https://doi.org/10.1186/s40659-022-00400-7>
15. Maryam Ehsasatvatan , Bahram Baghban Kohnehrouz, Ashraf Gholizadeh , **Hamideh Ofoghi** , Dariush Shanehbandi: (2022) Physical and Biologically Effective Parameters in Developing Transplastomic Tobacco Plants by Particle Bombardment Method using PDS 1000/He, Genetic Engineering and Biosafety Journal; <http://gebsj.ir/article-1-405-fa.html>
16. Alireza Valdiani, **Hamideh Ofoghi**· Mahboobeh Akbarizare and Daryush Talei: 3 Biotech (2022) 12:319 <https://doi.org/10.1007/s13205-022-03373-2>
17. Soroosh Danaee, **Hamideh Ofoghi**†, and Seyed Mohammad Heydarian: Acceleration of microalgal biofilm formation on PET by surface engineering (2021) *Korean J. Chem. Eng.*
18. Soroosh Danaee, Seyed Mohammad Heydarian , **Hamideh Ofoghi**, and Neda Badali Varzaghani: Optimization, upscaling and kinetic study of famine technique in a microalgal biofilm-based photobioreactor for nutrient; Removal, Environmental Technology & Innovation 24 (2021) 102043
19. Pouya Rahimifard Hamedani, Mahmood Solouki, Parastoo Ehsani, Abbasali Emamjomeh and **Hamideh Ofoghi**: Expression of BMP2-Hydrophobin fusion protein in the tobacco plantand molecular dynamic evaluation of its simulated model, Plant Biotechnology Reports (2021), <https://doi.org/10.1007/s11816-021-00684-3>
20. Mahboobeh Akbarizare , **Hamideh Ofoghi*** , Mahnaz Hadizadeh , Alireza Valdiani: Bilateral telomerase-associated impacts of *Spirulina platensis* extracts:

Activation versus inhibition, European Journal of Integrative Medicine 43 (2021) 101303

21. Mahboobeh Akbarizare, **Hamideh Ofoghi***, Majnaz Hadizadeh :Dual effect of Saponins extracted from *Spirulina platensis* on telomerase activity in two different cell lines, Molecular Biology Research Communications (2021), 10(1):1-4 DOI: 0.22099/mbr.2020.38230.1537
22. Zahid Naseri, Ebrahim Dorani Uliyai, **Hamideh Ofoghi** and Seyed Javad Davarpanah: Expression of novel lhmlt fusion protein using plant viral vector and study of its anticancer effect; Plant Cell, Tissue and Organ Culture (PCTOC) August (2020)143: 97–108, <http://doi.org/10.1007/s11240-020-01900-8>.
23. Ghaffar Khezri, Bahram Baghban Kohneh Rouz, **Hamideh Ofoghi** and Seyed Javad Davarpanah: Heterologous expression of biologically active Mambalgin-1 peptide as a new potential anticancer, using a PVX-based viral vector in *Nicotiana benthamiana*, Tissue and Organ Culture (PCTOC) June 2020.
24. Mahboobeh Akbarizare, **Hamideh Ofoghi***, Mahnaz Hadizadeh and Nasrin Moazami: In vitro assessment of the cytotoxic effects of secondary metabolites from *Spirulina platensis* on hepatocellular carcinoma, Egyptian Liver Journal (2020) 10:11, <https://doi.org/10.1186/s43066-020-0018-3>
25. Raheleh Irvani , Mahta Mirzaei , **Hamideh Ofoghi*** : Effects of Enzyme Types and Hydrolysis Time on the Production of Antioxidant Peptides from *Spirulina Platensis*, Innovative Food Technologies, 6(4), Summer 2019, DOI: <http://dx.doi.org/10.22104/JIFT.2019.3442.1769>
26. Mahboobeh Akbarizare , **Hamideh Ofoghi***, Mahnaz Hadizadeh : In vitro Anticancer Evaluation of Saponins Obtained From *Spirulina platensis* on MDA, HepG2, and MCF7 Cell Lines, Multidisciplinary Cancer Investigation, October 2019, Volume 3, Issue 4, DOI: 10.30699/acadpub.mci.3.4.25
27. S Shamriz, **H Ofoghi*** : Chlamydomonas reinhardtii as a novel photobioreactor to produce recombinant proteins,- Modares Journal of Biotechnology, 2019, Volume10, Issue 2,Pages 211-221
28. Sara Mohammadzadeh, **Hamideh Ofoghi**, Mina Ebrahimi-Rad and Parastoo Ehsani: Construction of bicistronic cassette for co-expressing hepatitis B surface antigen and mouse granulocyte-macrophage colony stimulating factor as adjuvant in tobacco plant, PHARMACEUTICAL BIOLOGY 2019,VOL. 57, NO. 1, 669–675 <https://doi.org/10.1080/13880209.2019.1662458>
29. Mahnaz Hadizadeh, **Hamideh Ofoghi**, Mehran Kianirad, Zohreh Amidi: Elicitation of pharmaceutical alkaloids biosynthesis by salicylic acid in marine microalgae *Arthrospiraplatensis*, Algal Research,Volume 42, September 2019, 101597

30. Zahid Naseri, Ghaffar Khezri, Seyed Javad Davarpanah, **Hamideh Ofoghi**: Virus-Based Vectors: A New Approach for the Production of Recombinant Proteins, J Appl Biotechnol Rep. **2019** Mar;6(1):6-14
31. Maryam Zangi, Zahra Amini-Bayat, Parastoo Ehsani and **Hamideh Ofoghi***: Replication of pgR107 binary Ti vector without pSoup helper plasmid in disarmed *Agrobacterium tumefaciens* LBA4404, Health Biotechnology and Biopharma (**2019**), 3(1): 19-28
32. Shabnam Shamriz and **Hamideh Ofoghi**: Expression of Recombinant PfCelTOS Antigen in the Chloroplast of *Chlamydomonas reinhardtii* and its Potential Use in Detection of Malaria, Molecular Biotechnology (**2019**) <https://doi.org/10.1007/s12033-018-0140-1>, 61:102–110
33. Farnaz TAHOORI, Ahmad MAJD, Taher NEJADSATTARI, **Hamideh OFOGHI**, Alireza IRANBAKSHSH: Qualitative and Quantitative Study of Quercetin and Glycyrrhizin in In Vitro Culture of Liquorice (*Glycyrrhiza glabra* L.) and Elicitation with AgNO₃, Not Bot Horti Agrobo, (**2019**), 47(1):143-151. DOI:10.15835/nbha47111275
34. Maryam Zangi, Zahra Amini-Bayat, Parastoo Ehsani and **Hamideh Ofoghi***: Replication of pgR107 binary Ti vector without pSoup helper plasmid in disarmed *Agrobacterium tumefaciens* LBA4404, Health Biotechnology and Biopharma (**2019**), 3(1): 19-28
35. Naghoosi H., **Ofoghi H.***, Amini-Bayat Z., Moazami N. Secretory Expression of Recombinant Human Calcitonin in Green Microalgae *Chlamydomonas reinhardtii* , Modares Journal of Biotechnology, Volume 10, Issue 1, Winter **2019**, Pages: 29-35
36. Farnaz Tahoori , Ahamd Majd, Taher Nejadsattari , **Hamideh Ofoghi** , Alireza Iranbakhsh: Effects of silver nitrate (AgNO₃) on growth and anatomical structure of vegetative organs of liquorice (*Glycyrrhiza glabra* L.) under in vitro condition. Plant Omic Jurnal (**2018**) 11(03):153-160 ISSN:1836-3644 doi: 10.21475/poj.11.03.18.p1548
37. Maryam Karimian, Mohammad Zandi, Mohammad Reza Sanjabi, Majid Masoumian, **Hamideh Ofoghi**: Effects of grape seed extract, quercetin and vitamin C on ovine oocyte maturation and subsequent embryonic development Cell Mol Biol (Noisy-le-grand). **2018** Mar 31; 64 (4):98-102.
38. Soroosh Danaee, **Hamideh Ofoghi***, Seyed Mohammad Heydarian, Abbas Farazmand: Optimization of nitrogen and phosphorus removal from meat processing wastewaters using microalgal biofilms, Environmental Health Engineering and Management Journal **2018**, 5(2)
39. Shabnam Shamriz and **Hamideh Ofoghi***: Engineering the chloroplast of *Chlamydomonas reinhardtii* to express the recombinant PfCelTOS-II2 antigen-adjuvant fusion protein Journal of Biotechnology 266 (**2018**) 111–117
40. Mona Shafaghi, Somayeh Maktoobian, Rahimeh Rasouli, Nader Howaizi, **Hamideh Ofoghi** 4, Parastoo Ehsani : Transient Expression of Biologically Active

Anti-rabies Virus Monoclonal Antibody in Tobacco Leaves, Iranian J Biotech. (2018) January;16(1):e1774, DOI:10.15171/ijb.1774

41. F JASOUR, M ZANDI, K HOSEINI PAJOOH, M R SANJABI and **H OFOGHI**: Transfection of early and late stage sheep spermatogonial stem cells in culture, *Indian Journal of Animal Sciences* **87** (8): 944–946, August **2017**
42. Hosein SHABANI, Mohammad ZANDI1, **Hamideh OFOGHI**, Mohammad Reza SANJABI, Khosro HOSEINI PAJOOH: The effect of combining vitamin E and C on the viability improvement of transfected ovine spermatogonial stem cells after cryopreservation and thawing, *Turk J Vet Anim Sci* , (2017) 41:c TUBİTAK, doi:10.3906/vet-1701-38
43. Shabnam Shamriz and **Hamideh Ofoghi***: Outlook in the application of *Chlamydomonas reinhardtii* chloroplast as a platform for recombinant protein production, *Biotechnol Genet Eng Rev.* **2017** Mar 30:1-15
44. Hamed Naghoosi, **Hamideh Ofoghi***, Nasrin Moazami and Zahra Amini-bayat: A Modified Colony PCR Method for Screening Recombinant *Chlamydomonas reinhardtii*, *International Journal of Advanced Biotechnology and Research (IJBR)*,ISSN 0976-2612, Online ISSN 2278–599X, Vol-8, Issue-2, **2017**, pp992-995
45. M. Zangi and **H. Ofoghi** *: Nerve growth factor, clinical applications and production of the recombinant protein, *J Qazvin Univ Med Sci. (JQUMS)*, Vol.20, No.6, **2017**
46. A. Teymoornejad- M. Zandi- M. R. Sanjabi- K. Hoseini PajooH- **H. Ofoghi**: Transfection of Holstein Bull Spermatozoa by Lipofectamine, *Iranian Journal of Animal Science Research*,Vol. 8, No. 4, Winter **2017**, p. 656-666
47. Mohammadzadeh S, Rahimi S, Ebrahimi-Rad M, **Ofoghi H**, Ehsani P: Transient expression of virus-like particles in plants: a promising platform for rapid vaccine production, *Vaccine Research*, Volume 3-Number 4-Nov **2016**
48. M. Ghanbari Motlagh, Z. Amini-Bayat and **H. Ofoghi***: Investigation of an Optimized Context for the Expression of GFP as a Reporter Gene in *Chlamydomonas Reinhardtii Biomacromolecular J. Vol. 2, No. 2, 135-142, December 2016*
49. Maryam Zangi, **Hamideh Ofoghi***, Zahra Amini-Bayat, Parastoo Ehsani: Utility of P19 Gene-Silencing Suppressor for High Level Expression of Recombinant Human Therapeutic Proteins in Plant Cells, *Res Mol Med (RMM)* **2016**, 4(3): Volume 4, Number 3, Pages: 35-40.

50. Shabnam Shamriz, **Hamideh Ofoghi***, Nasrin Moazami: effect of linker length and residues on the structure and stability of a fusion protein with malaria vaccine application, *Computers in Biology and Medicine*, 76 (2016) 24–29
51. Shabnam Shamriz and **Hamideh Ofoghi***: Design, structure prediction and molecular dynamics simulation of a fusion construct containing malaria pre-erythrocytic vaccine candidate, PfCelTOS, and human interleukin2 as adjuvant, *BMC Bioinformatics* (2016) 17:71
52. Shamriz, S., **Ofoghi, H.***, Amini-Bayat, ZSoluble expression of recombinant nerve growth factor in cytoplasm of *Escherichia coli*, *Iranian Journal of Biotechnology*, 14 (1) , art. no. e1331 , .(2016) pp. 16 – 22
53. N Moazami, F Hakami, **H Ofoghi** and A Sheykhejad: Kafir-48 Protein a New Anticancer from an Extremophile *Streptomyces* with Apoptosis Regulator Function, *Biol Syst Open Access*, 5:2, DOI: 10.4172/2329-6577.1000164, 2016
54. Charinya Chankhampan, Jiradej Manosroi, **Hamideh Ofoghi**, Worapaka Manosroi, Aranya Manosroi: LOW CYTOTOXIC ELASTIC LIPOSOMES LOADED WITH SALMON CALCITONIN ON HUMAN SKIN FIBROBLASTS; *Human and Experimental Toxicology*, 2013, 32(1) 31–44
55. Yasin Moazez, Hamid Rajabi Memari, **Hamideh Ofoghi**, Mohammad Roayaei and Dariush Nabati Ahmadi : Evaluation of *Spirulina platensis* Resistance to Different Antibiotics for Finding Selectable Marker in Genetic Transformation., *Jundishapur Journal of Microbiology*. 2013 Summer; 6(7): e5456.
56. Azam Janipour, Mahnaz Mazaheri Assadi, **Hamideh Ofoghi**, Mohammad Reza Kalbassi, Hoda Ahmadi Behazin, Masoumeh Rajabibazl, Hale Kosari : Molecular Identification of *Dunaliella* Species in Some Iranian Salt Lakes, *European Journal of Scientific Research*. ISSN 1450-216X / 1450-202X Vol. 103 No 4 June, 2013, pp.570-580.2013
57. Ali Salehzadeh, **Hamideh Ofoghi** and Amir Arasteh: Purification of recombinant C-terminus polyhistidine tagged human calcitonin with cobalt-based and nickel-based affinity chromatography: A comparative study. *African Journal of Biotechnology* Vol. 11(36), pp. 8893-8897, 3 May, 2012
58. Hamid Moghimi, Javad Hamedi, Zargham Sephehrizadeh & **Hamideh Ofoghi**: Over expression of recombinant Nep1 in *Escherichia coli* and its use as a biological agent for control of *Sinapis arvensis*, *Ann Microbiol* 63 (2) pp. 669 - 675. 2012
59. **Hamideh Ofoghi***, Fereshteh Yavari and Farhad Nazarain: Tissue specific expression of the human calcitonin gene in potato tubers by an organ specific promoter, *Iranian Journal of Biotechnology* Vol. 10, No. 2, April 2012

60. Abbas Farazmand, Bagher Yakhchali, Parvin Shariati, Zarrin Minuchehr and **Hamideh Ofoghi**: *In silico* genome-wide screening for TnrA-regulated genes of *Bacillus clausii*, Iranian Journal of Biotechnology, Vol. 10, No. 1, January **2012**
61. 8- Ali Salehzadeh, **Hamideh Ofoghi***, Farzin Roohvand, Mohammad Reza Aghasadeghi and Kazem Parivar: Human Calcitonin (hCT) Gene Expression and Secretion by *Pichia Pastoris*, *Romanian Biotechnological Letters*, Vol. 17, No. 1, **2012**
62. Ali Salehzadeh, **Hamideh Ofoghi***, Farzin Roohvand, Mohammad Reza Aghasadeghi and Kazem Parivar: Intracellular expression of human calcitonin (hCT) gene in the ethylo-trophic yeast, *Pichia pastoris*, African Journal of Biotechnology Vol. 10(59), pp. 12721-12726, October, **2011**
63. Abbas Farazmand, Bagher Yakhchali, Parvin Shariati and **Hamideh Ofoghi**: *Bacillus clausii* and *Bacillus halodurans* lack GlnR but Possess Two Paralogs of glnA, J. Proteomics Bioinform, 4: 179-183. doi:10.4172/jpb.1000187, **2011**
64. Farzaneh Kordbacheh, **Hamideh Ofoghi**, Ali Akbarzadeh, Mahyat Jafari, and Ali-Hatef Salmanian: High Level Expression and Chloroplast Targeting of Human Calcitonin (hCT) in Transgenic Tobacco Plants: *Transgenic Plant Journal* **2011**, 5(1) 57-61
65. Behnoush Hajian, Khosro Piri1, Sonbol Nazeri and **Hamideh Ofoghi**: Agrobacterium-mediated transfer of β -Glucuronidase gene (gusA) to water mint (*Mentha aquatica* L.), Journal of Medicinal Plants Research Vol. 5(5), pp. 842-847, 4 March, **2011**
66. Ebadi A., Kamali K., Fattahimogadam M.R., Naghavi M.R., Imani A. and **Hamideh Ofoghi**: Determination of Self-Compatible Almond Genotypes Obtained from Controlled Crosses and Identification of S-Alleles in some foreign Cultivars and Genotypes. Seed and Plant Improvement Journal, 1 Vol 1-27 No 1, **2011**
67. Parisa Eshraghi, Reza Zarghami and **Hamideh Ofoghi**: RAPD analysis of Micropropagated Plantlets in Date Palm Pakistan Journal of Biological Sciences 9 (1): 111-114, **2006**
68. Parisa Eshraghi¹, Reza Zarghami, **Hamideh Ofoghi** and Mitra Mirabdulbaghi: Somatic embryogenesis in two Iranian date palm cultivars, African Journal of Biotechnology Vol. 4 (11), pp. 1309-1312, November **2005**
69. Eshragh, P. Zarghami, R and **Ofoghi, H.** : Genetic Stability of Micropropagated Plantlet in Date Palm, Journal Of Science, Islamic Republic of Iran, 16(4) : 311-315 **2005**

70. **17 -Ofoghi, H*.,** Moazami N, Ivanov I. : Comparison of Tobacco Etch virus and Tobacco Mosaic virus enhancers for the expression of Human Calcitonin Gene in Transgenic Potato Plant. Key Engineering Materials, Volume 277 pp 7-11, **2005** part 1.
71. **Ofoghi H.*,** Moazami N., Domonsky N.N.and Ivanov I: Cloning and Expression of human Calcitonin genes in Transgenic Potato Plants. Biotechnol. lett. 22: 611-615, **2000.**
72. **Ofoghi H*.,** Mironava R., Moazami N., Domonsky N. and Ivanov I.: Human Calcitonin Tetrameric Gene; Comparative Expression in Yeast and Transgenic Potato Plants. Journal of Biotechnology & Biotechnological Equipment, No. 1, **1999**

Publication (Conferences oral Presentations):

- Hassan Zadabbas Shahabadi , **Hamideh Ofoghi*** , Arash Akbarzadeh and Saeid Kadkhodaei: Optimization of CRISPR-Cas RNP Complex for Efficient Gene Editing in Microalgae; 6th international Plant Molecular Farming Rome, cape Town , SA , May 2024
- **Hamideh Ofoghi ***. Hamed Naghoosi and Nasrin Moazami Secretory expression of recombinant human calcitonin in *Chlamydomonas reinhardtii*: is this green microalga able to perform appropriate post translational modifications, 5th international Plant Molecular Farming Rome, Italy 2022
- **Hamideh Ofoghi*** and Shabnam shamriz: Prospect for the production of functional recombinant pharmaceuticals in Chloroplast of *Chlamydomonas reinhardtii*: focusing on PfcelTos antigen, Eurasian Congress On Molecular Biotechnology (ECOMB2019) ,19-21 Sep. **2019** Trabzon, Turkey
- **Ofoghi, M.** Zangi, Z. Amini-Bayat and P. Ehsani: Expressing and Processing of recombinant Human β - Pre-pro-Nerve Growth Factor in *Nicotiana benthamiana*, The 3rd Conference of theInternational Society of Plant Molecular Farming Helsinki, Finland, June 2018
- Rahimifard P., **Ofoghi H.,** Solouki M. and Ehsani P.: Expression of BMP2-HYDROPHOBIN Fusion Protein in Tobacco Plant, The second conference of the International Society for Plant Molecular Farming 25-27 may **2016**
- **H. Ofoghi,** M. Zangi, Z. Amini-Bayat and P. Ehsani: Transient Expression of Human Nerve Growth Factor in *Nicotiana benthamiana*, The second conference of the International Society for Plant Molecular Farming 25-27 may **2016**

- Nasrin Moazami, Fatoulah Hakami, **Hamideh Ofoghi**, and Massoud Ghaffarpour: A novel metabolite from an extremophile *Streptomyces* with apoptosis regulator function. Proceedings: AACR Annual Meeting, April 5-9, 2014; San Diego, CA, *Cancer Res October 1*, **2014** 74; 5105 doi: 10.1158/1538-7445.AM2014-5105
- Mahnaz Chookhachizade Moghaddam, **Hamideh Ofoghi**, Seyed Ali Ghaemmaghani, and Ahmad Alimadadi, Effect of media on *In Vitro* rooting of *Ginkgo biloba*, 1th national Ornamental Congress, Karaj-Iran October **2014**
- Mahnaz Chookhachizade Moghaddam, **Hamideh Ofoghi**, Seyed Ali Ghaemmaghani and Ahmad Alimadadi, Evaluation of different media on vegetative growing *In Vitro* of *Ginkgo biloba* 1th national Ornamental Congress, Karaj-Iran October **2014**
- Mahsa Ghanbari Motlagh, Zahra Amini-bayat , **Hamideh Ofoghi** and Shabnam Shamriz: Cloning and transformation of GFP gene into nucleus of *Chlamydomonas reinhardtii* 1st International and 13th Iranian genetic Congress Tehran Iran June **2014**
- Shabnam Shamriz, zahra Amini-bayat, **Hamideh ofoghi** and Mahsa Ghanbari Motlagh: Cloning and expression of β -subunit of human nerve growth factor (β -hNGF) in *E. coli*, 1st International and 13th Iranian genetic Congress Tehran Iran June **2014**
- Hamed Naghoosi, **Hamideh Ofoghi**, Zahra Amini-bayat, Design and synthesis of human calcitonin gene cassette for expression in microalgae *Chlamydomonas reinhardtii*
- 1st International and 13th Iranian genetic Congress Tehran Iran June **2014**
- Maryam Zangi, Zahra Amini-Bayat, Zohreh Amidi, **Hamideh Ofoghi**: Cloning of recombinant human Nerve Growth Factor in PVX viral vector, 1st International and 13th Iranian genetic Congress Tehran Iran June **2014**
- Zahra Amini-Bayat, **Hamideh Ofoghi**: *In-silico* modification of *clamydomonas reinhardtii* signal peptide for optimized heterologous expression/ secretion. 5th Iranian Conference on Bioinformatic May **2014**
- Fatemeh Sheykhinejad, **Hamideh Ofoghi**, Mohammad Heydarian, Sanaz Jafari, Ali Sheykhinejad; Culture of green cyanobacterium *Spirulina* sp. with Antibacterial activity, 14th International Iranian Congress of Microbiology, Tehran-Iran August **2013**
- **H. Ofoghi**: Production of human calcitonin: multimeric fusion gene expression, cleavage, amidation and purification, Research in Pharmaceutical Sciences,

2012;7(5) School of Pharmacy and Pharmaceutical Sciences, Isfahan University of Medical Sciences

- S. Maktobian, P. Ehsani, R. Rasouli and **H. Ofoghi**: Transient expression of anti-rabies-light chain antibody in Tobacco plants. Research in Pharmaceutical Sciences, 2012; 7(5)
- School of Pharmacy and Pharmaceutical Sciences Isfahan University of Medical Sciences
- Y.Moazez, H.R. Memary, **H. Ofoghi**, M.R. Ardakani: Construction of suitable construct for gene transformation of micro algae *Spirulina*., 12th Iranian Genetic Congress, June 2012, Tehran-Iran
- Hamid Moghimi, Javad Hamedi. Zargham Sepehrizadeh and **Hamideh ofoghi** : Cloning and expression of nep-1 isolated from *Fusarium oxysporum* to *Escherichia coli* for producing of new recombinant bioherbicide, 7th national Biotechnology congress , Sep 2011 Tehran, Iran.
- **Hamideh Ofoghi** and Ali Parach: Qualitative and Quantitative Analysis of Recombinant Human Calcitonin, , 7th national Biotechnology congress , Sep 2011 Tehran, Iran.
- Y.Moazez, H.Rajabi-Memari, **H.Ofoghi**, M.Roayaei, M.M.Simroni, Z.Shojaa: Study of antibiotic sensitivity of *spirulina platensis* for a selectable marker in geneticEngineering, 7th national Biotechnology congress , Sep 2011 Tehran, Iran.
- Farazmand, Abbas., Bagher Yakhchali., Parvin Shariati., **Hamideh Ofoghi**: Involvement of *scoC* and TnrA in Expression of the Alkaline Protease Gene *aprE* in *Bacillus licheniformis*, 7th national Biotechnology congress , Sep 2011 Tehran, Iran.
- **Hamideh ofoghi** , Ali Salehzadeh and Fatemeh Motevali: Use of the Yeast *Pichia pastoris* as an Expression System for Secretion of human calcitonin (hCT) gene, 7th national Biotechnology congress , Sep 2011 Tehran, Iran.
- **H. Ofoghi** , S. SangSefidi and F. Roohvand: Study of Transgenic Potato Plant for production of Hepatitis C Vaccine, 16th National and 4th International Conference of Biology, 14-16 Sep. 2010 Ferdowsi University Mashad-Iran
- **H. Ofoghi**, P., Ghodsi. and F. Roohvand Expression of HCV polytopes in Transgenic plants for Potential Application as Oral Vaccine, PLANT-BASED VACCINES & ANTIBODIES – PBVA 2011, 8-10th June 2011, Porto, Portugal
- Ghodsi P. **Ofoghi, H.**, and Roohvand F.: Cloning and expression of HCV polytopes fused to hepatitis B surface antigen in transgenic plant., 11th Iran Genetics Congress, 2010, 20-23 May Tehran Iran.

- Janipour A., Mazaheri Asadi, M., Calbasi, M.R. and **Ofoghi H.**: Molecular Identification of *Dunaliella* Isolated from five Hypersaline Ecosystems of Iran **2010**, 11th Iran Genetics Congress, 20-23 May Tehran Iran.
- Janipour A., **Ofoghi, H.**, Emtiazjoo M. and Mazaheri Asadi, M.: Comparison of anti-microbial products *Dunaliella* alga isolated from 5 salt lakes of Iran. 1th Medicinal Plant Application Congress 20-22 Feb. **2010**, Ahwaz Iran.
- **Ofoghi H.**: Synonymous codon usage for expression enhancement in transgenic potato plants, *New Biotechnology*, Volume 25, Supplement 1, September **2009**, Page S291
- Farazmand.A., Yakhchali,R., Farajzadeh,D., Shariati,P and **Ofoghi, H.** Cloning and Sequencing of an Alkaline Serine Protease (aprE) and Transcription Factors (*scoC*),*tnrA*) Genes from an Indigenous *Bacillus clausii*. The 6th National Biotechnology Congress of Iran 13-15 Aug. **2009** Tehran-Iran
- **Ofoghi, H.**, Yavari. F. and Nazarian-firouzabadi F.: Tissue specific expression of human calcitonin gene leads to more calcitonin production in potato plants, BIEN **2009** INWES Asian Network August 26-29 Busan, Korea
- Salehi, N., **Ofoghi, H.**, Musavi A. and Salmanian A.H: Construction of plasmid for expression of human calcitonin gene in chloroplast of transgenic tobacco plant, 2008 2th students Biotechnology Congress November **2008** Tehran,Iran
- **Ofoghi, Hamideh.** and Ghorbani, P. Fatemeh.: Targeted Expression of Human Calcitonin Gene To Potato Tuber, International Biotechnology Congress, Dalian, China 12-16 Oct. **2008**
- Ghorbani Parsa F. and **Ofoghi, H.**: Human calcitonin gene targeting into potato tuber; The 5th National Biotechnology Congress of Iran 24-26 Nov, Tehran, Iran **2007**
- Ayazi Kh., **Ofoghi, H.**, and Sheykhi-nejad A. A study of the antimicrobial activity of *Trichodesma incanum* extract against some microorganism and oral pathogens; The 5th National Biotechnology Congress of Iran 24-26 Nov, Tehran, Iran **2007**
- Iavari F and **Ofoghi H.** A comparative study of pCaMV 35S and GBSSI promoters for human calcitonin gene expression in transgenic potato plants, The 9th Iranian Congress of Biochemistry & the 2nd international congress of biochemistry and molecular biology, Shiraz-Iran **2007**
- Kordbacheh F, Salmanian A.H. and **Ofoghi H.**: Targeting of human calcitonin gene into the Tobacco chloroplast, International Conference Plant Transformation Technologies Austria February **2007**

- **Ofoghi, H** and Iavari, F.: Production of recombinant pharmaceutical protein in transgenic plant, Proceeding of 2nd International Engineering Convantion 2007 March **2007** saudi Arabia
- Kordbacheh F, Salmanian A.H. and **Ofoghi H:** Is chloroplast targeting is suitable for Calcitonin hormone accumulation in transgenic plant? Plant based vaccina + antibodies, University of Verona Italy Jube **2007**
- **Ofoghi, H,** : Medical Molecular Farming Modern Agriculture and Environments, AGRO ENVIRON 2006, Fifth International Symposium on the Agricultural Environment 4 - 7 September **2006** Ghent University, Ghent, Belgium
- **Ofoghi, H.** : Bioindicator Application for Biomonitoring of Global Change, First Regional Conference of Geobiotechnology Qeshm Island-Iran Feb. **2006**
- **Ofoghi, H.** and Eshraghi, P. RAPD Analysis of Somaclonal Variation in Original Offshoot and Regenerated Date Palm Planlets, 13th International Conference of Women Engineers and Scientists, Seoul Korea Aug **2005**
- **Ofoghi, H.,** Portaheri,.N. and Hashemi Sohi, H. : *Agrobacterium*-mediated transformation of a *Dendrobium sonia* 17, 4th national Biotechnology Congress of Islamic Republic of Iran, Kerman Aug, **2005**.
- P.Eshraghi, R. Zarghami. **H. Ofoghi:** Studies on Genetic stability of micropropagated Iranian Date Palm Plantlets by RAPD Markers, XVIII IBC 17-23 July, **2005** Vienna, Austria.
- **Ofoghi, H.:** Mass propagation pf Protocorm Like bodies using bioreactor system in *Dendrobium*, Biology in Asia International Conference 7-10 Dec. **2004** Singapore.
- Eshraghi, P, and **Ofoghi,H.** :Date palm DNA Extraction without Liquid Nitrogen., Biology in Asia International Conference 7-10 Dec. **2004** Singapore.
- **Ofoghi, H.,** Production of Recombinant Proteins in Transgenic Plants: Biosafety Consideration, Fifth Asian Bioethics Conference (ABC5) and Ninth International Tsukuba Bioethic Roundtable (TRT9) 13-16 Feb, **2004** Tsukuba-Japan.
- **Ofoghi, H.:** Micropropagation of orchid (*Dendrobium*) by culturing shoot tip of apical meristem .3rd National Congress of Biotechnology, 9-11 Sep. **2003** Mashad-Iran

- **Ofoghi, H.** and Rouhvard, F.: Intracellular Expression of Human Calcitonin Gene In Yeast Cells: Potencial Application as Functional Food, *Yeast*, Vol. 20 Number S1 July **2003**
- **Ofoghi H.**, Mironava R., Moazami N., Domonsky N., Jafari A. and Ivanov I: Expression of monomeric human calcitonin gene in transgenic potato plants., *New Frontiers in Plant Science and Biotechnology*. March 5-9 Toulouse-France **2000**.
- **Ofoghi H.**, Moazami N., Domonsky N. and Ivanov I.: Expression of oligomeric human Calcitonin gene in Transgenic potato Plant, 6th International Congress of Plant Molecular Biology. (ISPMB), Quebec, Canada june 18-24, **2000**.
- **Ofoghi H.**, Moazami N., Domonsky N. and Ivanov I.: Investigation of Calcitonin gene expression in transgenic potato plant, The First National Congress of Biotechnology Tehran, Iran, 22-24 Feb **2000**
- Mohammadi B.A., Khabiri A., **Ofoghi H.** and Ehsani P. : Enhanced expression of Hepatitis B surface antigen under control of Patatin calss I and TEV leader sequence in transgenic potato plant ., The First National Congress of Biotechnology Tehran , Iran, 22-24 Feb **2000**
- Bayat M.R, Soltanpour A. and **Ofoghi H.**: Aloe Magic plant, International Congress on Traditional medicine & Materia medica. Nov. 6-9 **2000**, Tehran, Iran.
- **Ofoghi, H.** , Moazami N., Farhoudi, A.A. and Rouhvard, F.: Intracellular Expression of Tetrameric human Calcitonin gene in *Saccharomyces cerevisiae* The 5th Iranian Biochemistry Congress 6-9 Sept, **1999**
- Domansky N.N., Khabiri A., Ehsani P., Salmanian Ali-H. and **Ofoghi H.** Enhanced Immunogenicity of Transgenic Plant-derived Hepatitis B Middle Surface Antigen. 21-27 Sep.**1997**, Singapore 5th International Congress of Plant Molecular Biology.
- **Ofoghi, H.**, Maleczadeh, F., **1991** Single cell protein production from citrus waste. First Regional Congress of Biotechnology, Tehran, Iran