

CURRICULUM VITAE

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Department of Biomedical Sciences (Since September 2000).

Alzahra University, Tehran, Iran.

***Ph.D. Adelaide University, Australia, 1997.**

***M.Sc. Tarbiat Modaress University, Tehran, IRAN, 1990.**

***B.Sc. Tehran University, 1986.**

***Diploma of Natural Sciences, Dr. Mohammad Khazaeli, Tehran, Iran, 1978.**

1. *Plant Genetics Resources International Courses (IBPGR), JICA, Japan, 1988.

**2. *Plant Transformation Workshop, National University, Canberra, Australia,
1994.**

**3. *Persian Patent No: 82/A011850, 2009, Production of High-yield Astaxanthine
Mutant *Phaffia rhodozyma* Yeast Using Gama Ray.**

4. *Executive Secretary of the 1st National Congress on Women's Role in the Society & Family Health, 13-15 May 2009. Alzahra University, Tehran, Iran.*
5. *Executive Secretary of the 1st International Congress on Women's Role in the Society & Family Health, 9-12 May 2012. . Alzahra University, Tehran, Iran.*
6. *Scientific Committee Member of 1st National Congress on Women's Role in the Society & Family Health, 13-15 May 2009. Alzahra University, Tehran, Iran.*
7. *Scientific Committee Member of 1st International Congress on Women's Role in the Society & Family Health, 13-15 May 2009. Alzahra University, Tehran, Iran.*
8. *National Research Project Cosuprvisor: To determine the challenges and cooperatives, women's empowerment strategies .National Project with the Ministry of Cooperatives. 2005.*

****Published Papers:**

1. The Effect of Soymilk on Alkaline Phosphatase, Total Antioxidant Levels, and Vasomotor Symptoms in Menopause Women. 2007. [*Iranian Journal of Basic Medical Sciences.*](#)
2. The reasons for the termination of pregnancies in the third trimester in Shar-e-Kord's Hadjar hospital during 2005. spring 2006. [*Medical Journal of Reproduction & Infertility.*](#)
3. Construction of a range of derivatives of the biological control strain Agrobacterium. 1998. [*Applied and Environmental Microbiology.*](#)
4. Gamma irradiation as a useful tool for the isolation of astaxanthin overproducing mutant strains of *Phaffia rhodozyma*, 2011, [*Canadian Journal of Microbiology.*](#)
5. Impact of gamma rays on the *Phaffia rhodozyma* genome revealed by RAPD-PCR. Volume 3 Number 4 (December 2011) 216-221 [*Iranian Journal of Microbiology.*](#)
6. Influence of probiotic yeast *Phaffia rhodozyma* on growth, survival and maturity of *Artemia urmiana*, Volume 3 Number 1, 2012. [*ASIAN JOURNAL OF EXPERIMENTAL BIOLOGICAL SCIENCES.*](#)
7. The effect of gamma irradiation on astaxanthin synthetase encoding gene in two mutant strains of *Phaffia rhodozyma*. 2013. [*Iranian Journal of Microbiology .*](#)

8. Determination of daidzein and genistein in Soy Milk in Iran by using HPLC Analysis Method. 2008. [*Pakistan Journal of Biological Sciences*](#).
9. Purification of astaxanthin from mutant of *Phaffia rhodozyma* JH-82 which Isolated from forests trees of Iran. 2007., [*Pakistan Journal of Biological Sciences*](#).
10. Study of sugar beet cyst nematode life cycle using plant tissue culture method. 2007. [*Pakistan Journal of Biological Sciences*](#).
11. Isolation of astaxanthin overproducing mutant of *Phaffia rhodozyma* JH-82. 2007. [*Modern Genetics Journal*](#).
12. Isolation of new isolate of micro-algae *Chlorella* sp.AI-25.... 2006. [*Pakistan Journal of Biological Sciences*](#).
13. The effect of different concentrations of NaCl on the callus induction. 2004. [*Plant Tissue Culture*](#).
14. Determination of the Amount of Protein and Amino Acids extracted from the Microbial Protein (SCP) of Lignocellulosic Wastes, 2010, [*Pakistan Journal of Biological Sciences*](#)
15. Comparison of essential and non essential amino acids in the single cell protein (scp) of white rot fungi from wheat straw. 2011. [*African Journal of Agricultural Research*](#). DOI: 10.5897/AJAR11.830
16. Prevalence of Low Birth Weight and its Related Factors in Shahr-e-Kord. 2008, [*Journal of Reproduction & Infertility*](#) .
17. Single Cell Protein Production from Pretreatment Wheat Straw by *Pleurotus Ostreatus* Var Florida in Solide-State Fermentation, [*J. Appl. Environ. Biol. Sci.*](#), 4(4)95-101, 2014.
18. Phytoplanktons and DNA barcoding: Characterization and molecular analysis of phytoplanktons on the Persian Gulf, [*Iranian Journal of Microbiology*](#), *Volume 6 Number 4 (August 2014) 296-302*.
19. Identification of Chlorophyceae based on 18S rDNA sequences from Persian Gulf, [*Iranian Journal of Microbiology*](#), Volume 6 Number 6 (December 2014) 437-442.
20. Transformation and expression of *Penicillium funiculosum* glucose oxidase gene in yeast, [*Iranian journal of genetics and plant breeding*](#), Vol. 2, No. 1, (Spring and Summer 2013) 18-26.

21. Comparison of Essential and Non-Essential Amino Acids in the Microbial Protein of *Pleurotus Florida* from the Lignocellulosic Wastes, [Bimonthly Journal of Hormozgan University of Medical Sciences](#), Vol. 17, No. 2. (June & July 2013), 113-120.
22. MED12 exon 2 mutations in uterine leiomyoma's in women patients of Tehran Province of Iran. [Journal of Pharmaceutical Sciences and Research](#) Vol. 7(12), (December 2015), 1099-1102.
23. Epidemiology of human papillomavirus (HPV) type 16 and 18 in patients with cervical cancer in Tehran. [Journal of Microbial World](#). Vol. 8, No. 4: 18- 19. (January 2016).
24. Effects of *Bacillus* probiotic enzyme extract on growth and carcass biochemical composition of rainbow trout (*Oncorhynchus mykiss*) larvae. [Journal of Khoramshahr Marine Science and Technology](#). Accepted Manuscript, Available Online from 17 June 2015.
25. Identification and Characterization of the Genes Encoding the fimK corresponding Type 1 Fimbria gene cluster of *Klebsiella pneumoniae* in women urinary tract infection, [Ambient Science](#). Accepted Manuscript, Available. September 2016.
26. McClure, N.C., Ahmadi, A.R. and Clare, B.G. (1994). The role of agrocin 434 produced by *Agrobacterium* strain K84 and derivatives in the biological control of *Agrobacterium* biovar 2 pathogens. [In Improving plant productivity with rhizosphere bacteria](#), M.H. Ryder, P.M. Stephens and G.D. Bowen (eds.), pp. 125-127, CSIRO, Adelaide.
27. The effect of different levels of *Bacillus* probiotic extracellular enzymes on growth, nutrition and survival parameters of Rainbow trout *Oncorhynchus mykiss* (Walbaum, 1792) larvae. [Journal of Applied Ichthyological Research](#). Volume 3, Number 2 (September, 2015).

Genes in the NCBI GenBank record

1. *Phaffia rhodozyma* strain Gam2 mutant astaxanthin synthetase gene, partial cds . EMBL/GenBank/DDBJ databases₂

ACCESSION NUMBER: [GU433200.1](#)

2. *Phaffia rhodozyma* strain Gam1 mutant astaxanthin synthetase gene, partial cds . EMBL/GenBank/DDBJ databases,

ACCESSION NUMBER: [GU433199.1](#)

3. *Chlamydomonas* sp. E RH-2012 18S ribosomal RNA gene

GenBank, ACCESSION NUMBER: [JQ996419](#)

4 . *Neochloris aquatica* isolate D 18S ribosomal RNA gene

GenBank, ACCESSION NUMBER: [JQ996418](#)

5. *Caecitellus pseudoparvulus* isolate C 18S ribosomal RNA gene

GenBank ACCESSION NUMBER: [JQ996417](#)

6. *Rhodella maculata* isolate B 18S ribosomal RNA gene

GenBank ACCESSION: [JQ996416](#)

7. *Cochlodinium polykrikoides* isolate A 18S ribosomal RNA gene

GenBank ACCESSION NUMBER: [JQ996415](#)

8. Uncultured syndiniales voucher RH/Us8 18S ribosomal RNA gene, partial sequence: [JX049355](#)

9. *Isochrysis galbana* voucher RH/Ig3 18S ribosomal RNA gene, partial sequence. [JX049352](#)

10. Uncultured stramenopile voucher RH/Us10 18S ribosomal RNA gene, partial sequence. [JX049356](#)

11. *Chlorella sorokiniana* voucher RH/Chs4 18S ribosomal RNA gene, partial sequence. [JX049353](#)

12. *Amphora* sp. RH-2012 18S ribosomal RNA gene, partial sequence. [JX049354](#)

13. *Brachidontes variabilis* clone HA/BL1 18S ribosomal RNA gene.

GenBank ACCESSION: [KC904728.1](#)

14. *Pinctada albina* clone HA/BL2 18S ribosomal RNA gene.

GenBank ACCESSION: [KC904729.1](#)

15. *Planaxis sulcatus* clone HA/BL3 18S ribosomal RNA gene.

GenBank ACCESSION: [KC904730.1](#)

16. *Brachidontes variabilis* clone HA/BL4 18S ribosomal RNA gene.

GenBank ACCESSION: [KC904731.1](#)

17. *Brachidontes variabilis* clone HA/BL5 18S ribosomal RNA gene,

- GenBank* ACCESSION: [KC904732.1](#)
18. *Mya truncata* clone HA/BL6 18S ribosomal RNA gene, partial sequence.
GenBank ACCESSION: [KC904733.1](#)
19. *Batillaria zonalis* clone HA/BL7 18S ribosomal RNA gene, partial sequence.
GenBank ACCESSION: [KC904734.1](#)
20. *Serpulorbis imbricatus* clone HA/BL8 18S ribosomal RNA gene, partial sequence.
GenBank ACCESSION: [KC904735.1](#)
21. Uncultured eukaryote clone HA/BL9 18S ribosomal RNA gene, partial sequence.
GenBank ACCESSION: [KC904736.1](#)
22. *Planaxis sulcatus* clone HA/BL10 18S ribosomal RNA gene, partial sequence.
GenBank ACCESSION: [KC904737.1](#)
23. *Rhodella maculata* clone HA/EA111 18S ribosomal RNA gene, partial sequence
GenBank: [KC962164.1](#)
24. Uncultured eukaryote clone HA/EA4 18S ribosomal RNA gene, partial sequence
GenBank: [KC962163.1](#)
25. Uncultured eukaryote clone HA/EA3 18S ribosomal RNA gene, partial sequence
GenBank: [KC962162.1](#)
26. Uncultured eukaryote clone HA/EA15 18S ribosomal RNA gene, partial sequence
GenBank: [KC962161.1](#)
27. Uncultured marine picoeukaryote clone HA/EA 18S ribosomal RNA gene, partial sequence
GenBank: [KC962160.1](#)
28. Uncultured eukaryote clone HA/EA9 18S ribosomal RNA gene, partial sequence
GenBank: [KC962159.1](#)

Published Books:

- *Truffle Cultivation, 2008, In Persian, Published By: Avaye Noor, Tehran, Iran, ISBN : 978-964-5819758.
- *Walnut, Hicory and Pecan, 1998, In Persian, Published By: MAJED, Tehran, Iran, ISBN: 964-443-003-4.

Activity on Scientific Societies:

- *Editorial Board of Modern Genetics Journal, Iranian Genetics Society, 2006 -2010
- *Committee Member of Iranian Genetics Society, 2002-Now
- *Member of Iranian Microbiology Society, 2000-Now
- * Member of Iranian Biotechnology Society, 2000-Now

*** Member of Australian Microbiology Society, 1994-1996.**

Teaching Experience:

General Microbiology

Microbial Biotechnology

Bacteriology

Genetics

Soil Microbiology

Environmental Microbiology

Computer For Biology, Microbiology and Biochemistry

Plant Pathology

Plant Microbiology

English Course for Biology

English Course for Biochemistry

Microbial Genetics

Research Interests:

Genetic engineering of Bacteria and Yeast,

Medicinal Plant

Biomedical Sciences

Molecular Biology,

Environmental Biotechnology

Medical & Microbial Biotechnology,

Applied Microbiology.

Plant Cell and Tissue Culture