**RESUME**

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**Research Interests:**

1-Basic molecular biology

2- Molecular mechanism of fungal pathogenesis

3- Molecular mechanism of plant defenses

4- Industrial enzymes

**Papers in National & International Journals:**

1- **Motallebi M**., Rouch D.A., and C.M. Thomas. 1990. “A family of ATPases involved in active partitioning of diverse bacterial plasmids”. Molecular Microbiology 4: 1455-1463.

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**Books:**

Underestanding Genetic Engineering, (Translation jointly with colleague), 1993.

Biochemistry of signal transduction and regulation, 2nd Edition (Translation jointly with colleague), 2006.

Molecular Biology-Weaver, 5th Edition (Translation jointly with colleagues), 2013.

**Courses Taught:**

**BSc.** Genetics

Molecular Genetics

**MSc.** Advanced Genetic Engineering

Genetics of Prokaryotes

Transcription and Translation

Molecular Genetics

**PhD**. Advanced Molecular Genetics

Advanced Prokaryotic cell Biology

Advanced Eukaryotic cell Biology

Advanced Genetic Engineering

**Memberships:**

Iranian Biotechnology Society

Iranian Genetic Society

Iranian Biology Society

Editorial Board of Iranian Journal of Biotechnology

Editorial Board of Journal of Agricultural Biotechnology

Editorial Board of Iranian Journal of Genetics and Plant breeding

**Awards:**

Distinguished Lecturer of Razi University, 1996

Distinguished Researcher of Razi University, 2000

Distinguished Researcher of Razi University, 2001

Distinguished Researcher of NIGEB 2012

**PhD Thesis**

**Supervised Student Thesis:**

1. Hosseinzzadeh- Colagar, A. Aug./2005. " Isolation and Cloning of *pgip1* and *pgip2* Genes, Purification and Partial Characterization of PGIP Protein from Naz and Derakhshan Bean (*Phaseolus vulgaris*) Cultivars." Biology Dept., Faculty of Science, Razi Univ., Kermanshah, Iran.
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**PhD Thesis Advisor:**

Fakhraei M.M. 2022. “Chitinase gene transfer to lisianthus (Eustoma grandiflorum Griseb.) for

resistance to fungal disease Fusarium solani” Department of Horticultural Sciences., Faculty of Agriculture, Tabriz, Iran.

**Supervised Student Thesis:**

**MSc Thesis**

1- Andalib, A. March/1998. “Molecular, biochemical, and serological study for classification of *Yersinai enterocolitica* of Iran.” Biology Dept., Faculty of Science, Razi Univ., Kermanshah, Iran.

2- Arefpour, M.A. Dec./1998. “Grouping of *Fusarium oxysporum* by pathogenicity test and polygalacturonase production”. Biology Dept., Faculty of Science, Razi Univ., Kermanshah, Iran.

3- Saffar, B. Dec./1998. “Molecular study and plasmid-curing of *Yersinia enterocolitica* isolates in chicken”. Biology Dept., Faculty of Science, Razi Univ., Kermanshah, Iran.

4- Emamjomeh, A.A. Jan./2000. “Determination of genetic distances by RAPD-PCR, evalution of drought tolerance criteria analysis of adaptation in chickpea”. Biology Dept., Faculty of Science, Razi Univ., Kermanshah, Iran.

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