

# GENERAL INFORMATION



**First Name :** Reza  
**Last Name :** Heidari  
**Date of Birth :** 30/10/1945  
**Place of Birth :** Shahine-Daj- Iran  
**Academic Position:** Full Professor  
**Academic Degrees :** Professor

1. **Ph. D.** (Docteur ingenieur en Biochimie), Etude par chromatographic en phase gazeuse de produits volatile des aliments,Universite de Dijon, France, 1973
2. **DEA** Biochimie alimentation , Universite de Dijon, France, 1971
3. **B.Sc.** Food Technology, Tehran University,Iran,1969

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## List Of Publication

### Books Published (Authored and/or Translated):

1. Abrege de phytochimie.J.L.Guignard(1985)- Translated
2. Biochimie generale.J.H.Weil Masson(1990)- Translated
3. Food Science,Chemistry and Experimental Foods.M.Swaminathan(1990)- Translated

## Paper Published:

1. **Heidari R.**,Heidarizadeh M. Extraction , purification , and inhibitory effect determination of alpha – amylase inhibitor from wheat (*Triticum aestivum* var zarrin) against human salivary and bacillus subtilis alpha amylase. The Ramanbhai Foundation 2<sup>nd</sup> International Symposium , Ahmedabad, India,January(2005)
2. **Heidari R.**,Khayami M.,Farboodnia T. Effect of Pb toxicity on the membrane stability and fatty acids changes of *Zea mays* seedlings root. *Pakistan Journal Of Biological Sciences*.(2004)

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3. **Heidari R.**, Khayami M.,Farboodnia T. Effect of PH and EDTA on Pb accumulation in *Zea mays* seedlings. *Journal Of Agronomy*. (2004)
4. Shokrzadeh M., Ebadi.A.G.,Azadbakht.M., **Heidari R.**, Zaree.S. Qualitative analysis of lead, cadmium,chromium and zinc in vegetables(*Spinacia oleracea* L. and *Raphanus sativus* L.) *Int.J.Biol.Biotech*.1(4):( 2004)
5. Shokrzadeh M., Ebadi.A.G., **Heidari R.**, Zaree.S. Measurement of lead, cadmium,chromium in five species of most consumed fish in Caspian Sea. *Int.J.Biol.Biotech*. 1(4):( 2004)
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7. **Heidari R.**, Dolatabadzadeh N., Khalafi J. Anthocyanin pigments of Siahe Sardasht grapes. *J.Sci.I.R.Iran*, Vol. 15,No. 2, (2004).
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10. Zare S., **Heidari R.**, Ebadi A.G. Effect of wet heat treatment on Trypsin inhibitors activity in 3 species of Legumes(*Cicer arietinum*, *Phaseolus vulgaris*, *Vicia faba*).*Scientific and Research Quarterly of Agriculture Jahad*. ISSN:1019-9632 , No:59,Summer(2003).
11. Siami A., **Heidari R.**, Dastpak A. Assessment of lipid content and studying fatty acids in some varieties of *Cucurbita* L.,*Scientific and research Quarterly of Agricultural Jahad*. ISSN : 1019-9632, No:59, Summer(2003).

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13. **Heidari R.**, Heidarizadeh M. Effect of temperature stress (heat and cold) on germination, electrophoretic pattern of proteins, total protein and leaf soluble sugars content in two cultivars of Iranian wheat. *Iranian Journal Of Biology*, Vol. 13, No. 3,4 (2002-2003)
14. **Heidari R.**, heidarizadeh M. Evaluation of resistance for salinity, drought, cold, heat and PH changes in four Iranian wheat cultivars. *J.Agric.Sci.Natur.Resour.* Vol. 9(1), Spring(2002).
15. Khosroshahi A., **Heidari R.** Investigation of quantification of protein and fractionation of casein chains of milks produced by four mammal species using agarose gel electrophoresis. *J.Agricul.Sci. & Technol.* Vol. 15, No. 1,(2001).
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17. **Heidari R.**, Riahi H., Saadatmand S. Effects of salt and irradiance stress on photosynthetic pigments and proteins in *Dunaliella salina teodoresco*. *J.Sci.I.R.Iran*, Vol.11, No.2, Spring(2000)
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- 22 .Gorbanli M., **Heidari R.** , Nojavan M., Farboodnia T. the effect of water stress on the variation soluble of proteins and amino acids in two different cultivars of Chickpea. *Iranian J.Agric.Sci.* Vol.29, No.1(1997).
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25. **Heidari R.** Effect of germination on digestion and absorption of vegetable protein (*Vicia faba*). . The Scientific Journal of Agriculture, Vol. 17, No.2(1995).
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28. Gorbanli M., **Heidari R.**, Khara J. Variations saisonnières des teneurs en protéines et en acides aminés chez deux espèces halophytes fourragères. Rev. Res. Amélior. Prod. Agr. Milieu Aride, Vol.5, 81-86(1993)
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30. **Heidari R.** Organic acid extraction by *Zea mays* L. seedlings root is a tolerance mechanism against heavy metals toxicity. 13 th Iranian Biology Conference and first International Conference of Biology, 23-25 August 2005
31. **Heidari R.** PH and EDTA enhance Pb accumulation in *Zea mays* L. seedlings. 13 th Iranian Biology Conference and First International Conference Of Biology. 23-25 August 2005.
32. **Heidari R.** Effects of hydrogen peroxide, sugar and storage time on stability of Siahe sardasht Grape Anthocyanin. 13 th Iranian Biology Conference and First International Conference Of Biology, 23-25 August 2005
33. **Heidari R.** The effect of light, storage temperature, PH and variety on stability Anthocyanin pigments in four varieties *Malus* in Uromieh. 13 th Iranian Biology Conference and First International Conference Of Biology, 23-25 August 2005
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34. **Heidari R.** The influence of light, temperature, PH and storage time on the color and stability of Siahe sardasht Grape Anthocyanin. 13 th Iranian Biology Conference and First International Conference Of Biology, 23-25 August 2005
35. **Heidari R.** Extraction, purification, and inhibitory effect of alpha-amylase inhibitor from wheat (*Triticum aestivum* Var. zarrin) . 13 th Iranian Biology Conference and First International Conference Of Biology, 23-25 August 2005
36. **Heidari R.** Effect of different nutritional ails on plasma lipids in rabbits. 13 th Iranian Biology Conference and First International Conference Of Biology, 23-25 August 2005
37. **Heidari R.** Measurement of Lead, Cadmium and Chromium in five species of most consumed fish in Caspian Sea. Int. J. Biol. Biochem., 1(4):673-375, 2004.

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39. **Heidari R.** Extraction, purification and inhibitory effect of alpha-amylase inhibitor from wheat (*Triticum aestivum* Var. Zarrin). *Pakistan Journal Of Nutrition* 4(2):101-105, 2005. ISSN:1980-5164
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41. **Heidari R.** Qualitative analysis of Lead, Cadmium, Chromium and Zinc in vegetables (*Spinacia oleracea* L. and *Raphanus sativus* L.) *Int.J.Biol.Biotech.*, 1(4):677-679, 2004.
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47. **Heidari R.,** Sehatti A., Ilkhanipour M., Nasahmadi-asl, Zare S. Effects of different dietary fats on plasma lipid profiles in Rabbits. *Int.J Biol.Biotech.* 3(3):603-608, 2006.
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58. Mirzavash S., Mahmoodzadeh A., Khayami M. , **Heidari R.** , Jamei R Determination of genetic position of Malus orientalis local species under SDS-PAGE analysis. 14 th Iranian National and Second International Conference Of Biology, Tarbiat Modares University, Tehran , Iran 2006

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59. Farboodnia T. , **Heidari R.** , Tajdoost S. Amiloride inhibition of vacuolar Na / H antiporter enhance salt stress in Zea mays L. seedlings 14 th Iranian National and Second International Conference Of Biology, Tarbiat Modares University, Tehran , Iran 2006

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60. Abyari M., **Heidari R.** , Jamei R Assessment of destructive effects of environmental factors and protective effects of copigmentation on Siahe Sardasht grape ( Vitis vinifera ) anthocyanins. 14 th Iranian National and Second International Conference Of Biology, Tarbiat Modares University, Tehran , Iran 2006

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61. **Heidari R.** , Heidarizadeh M. Effect of temperature stress (heat and cold ) on germination , electrophoretic pattern , total protein and leaf soluble sugars in wheat cultivar seedlings. 14 th Iranian National and Second International Conference Of Biology, Tarbiat Modares University, Tehran , Iran 2006

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62. Mirzavash S., Mahmoodzadeh A., Khayami M. , **Heidari R.** , Jameii R  
Efficiency assessment of two methods staining SDS-PAGE gel to genetic distance  
determination of apple varieties (*Malus . sp* ) . 14 th Iranian National and Second  
International Conference Of Biology, Tarbiat Modares University, Tehran , Iran  
2006

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**Pakistan Journal of Biological Sciences 10(2): 267-272-2007**  
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**62. Effect of Heating, UY Irradiation pH on Stability of the Anthocyanin  
Copolymer Complex**

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Department of Biology. Faculty of Science, Urmia University . Iran

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**64-Grape (*Vitis vinifera*) anthocyanins: study of extraction and stability**

**R,heidary .R.jameei and M.fhorbany**  
**Dept, of biology, faculty of science , uromieh university**

65.Amiloride Inhibition of Vacuolar Na<sup>+</sup>/H<sup>+</sup> Antiporter Enhance Salt stress in *Zea  
mays* L.Seedlings. S.Tajdoost, T.Farboodnia and R.Heidary.  
Pakistan Journal of Biological Science 10(12):2020-2024,2007  
ISSN1028-8880

66.The Effect of Light, Temperature, pH and Species on Stability of Anthocyanin  
Pigments in Four Berberis Species .G.H.Laleh,H.Frydoonfar, R.Heidary,  
R.Jameei and S.Zare  
Pakistan Journal of Nutrition 5(1):90-92,2006. ISSN1680-5194.

## **Research Interests:**

### **Specialized areas of Biochemistry:**

- 1.1. Food Biochemistry
- 1.2. Stress Biochemistry
- 1.3. Amino Acids
- 1.4. Protein
- 1.5. Anthocyanin

## **Sabbatical Laeves**

Human Nutrition Departement , Faculty Of Science, University Of Nancy, France  
1984. Laboratory of Prof. G. Debry.

## **Executive, Scientific and Specialized Positions**

### **Previous and Current Jobs:**

- 1.1. Assist. Prof.,Biology Dept. (1980-1994)
- 1.2. Assoc.Prof.,Biology Dept.(1994-2000)
- 1.3. Professor,Biology Dept. (2000-present)

### **Executive Positions In Urmia University (or Other Institutions):**

- 1.1. Dean Of Science Faculty
- 1.2. Head Of Biology Department
- 1.3. Deputy For Education Of Science Faculty

### **Membership In Specialized And Executive Committees In Urmia University:**

- 1.1. Member Of Biology Society Of Iran
- 1.2. Member Of Food Technology Society Of Iran

## **Teaching Activities**

### **For BSC. Students:**

1. General Biochemistry
2. Food Chemistry

### **For MSC. Students:**

1. Plant Metabolism
2. Plant Biochemistry
3. Advanced Biochemistry



### For Ph.D. Students:

1. Advanced Plant Biochemistry 1
2. Advanced Plant Biochemistry 2
3. Plant Stress
4. Advanced Food Biochemistry

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## چکیده ای از زندگی نامه

در سال ۱۳۲۴ در شاهیندژ (استان آذربایجان غربی) متولد شدم تحصیلات ابتدایی را در همان شهرستان به اتمام رسانده و مقطع دبیرستان را به تبریز رفته و در دبیرستان منصور این شهر دیپلم طبیعی گرفتم. در تاریخ ۴۵/۴/۳ خدمت سربازی را تمام کرده و در سال ۱۳۴۹ از دانشگاه تهران (دانشکده کشاورزی کرج) لیسانس صنایع غذایی گرفتم در همان سال برای ادامه تحصیل به فرانسه رفتم و در سال ۱۳۵۰ فوق لیسانس شیمی مواد غذایی از دانشگاه دیژون فرانسه دریافت کردم در سال ۱۳۵۳ مدرک دکتر مهندسی در رشته بیوشیمی را از همان دانشگاه اخذ نمودم. در سال ۱۳۵۳ در دانشگاه ارومیه (که آن زمان دانشکده کشاورزی بود) استخدام شدم. در طول مدت ۳۲ سال خدمت در دانشکده های پزشکی، دامپزشکی، کشاورزی و علوم دروس بیوشیمی، شیمی مواد غذایی، شیمی گیاهان دارویی و درس فیزیولوژی تنش ها را تدریس نموده ام. در طول خدمت دانشگاهی سه جلد کتاب ترجمه نمودم و بیش از ۶۰ مقاله علمی و بین المللی چاپ نمودم که فهرست آنها در بیوگرافی ضمیمه منعکس است. در سال ۱۳۵۵ ازدواج نمودم. خانم بنده دکتری فیزیولوژی جانوری دارند و در دانشگاه ارومیه استخدام هستند. حاصل ازدواج دو فرزند به نام های افشین که از دانشگاه تهران پزشکی تمام کرده و فرزند دوم در دانشگاه آزاد ارومیه در رشته دامپزشکی مشغول تحصیل است. در طول خدمت دو بار مدیر گروه زیست شناسی بوده ام و در دو مقطع معاون آموزشی دانشکده علوم شدم. با توجه به علاقه زیادی که به کارهای علمی و پژوهشی دارم، فرصت کارهای سیاسی نداشته و در هیچ حزب و گروهی وارد نشدم.

