

CURRICULUM VITAE

Department of Chemical Technology
Iranian Research Organization for Science and Technology (IROST)
Tehran, Iran
Tel: +56276637
Fax: +56276265
Email: t.omidi@irost.ir

First Name: Tayebbeh
Surname: Omidi
Place of Birth: Tehran-Iran



EDUCATION

- M. Sc. Food Science & Technology. University of Tarbiat Modares, Tehran, Iran (1994)
Thesis: Optimization of corn bed dryer parameters.
- B. Sc. Chemical Engineering, Food Industries, University of Sharif Technology, Tehran, Iran (1988), Thesis: Processing and Design of Tea Factory.

Professional Experience

- Master Expert, Food Science and Technology Group , Department of Chemical Technology, Iranian Research Organization for Science and Technology (IROST), (1995-now).
- Member of the Technical Committee of Oils and Fats , Iranian National Standards Organization, (2008-now).
- Master Expert, Regional Desalination and Environmental Center (RDEC), IROST, (2013-now).

PUBLICATIONS

1. Journal Papers

1. Omidi T., Vosoughi M., Hamidi Z. 1998, Optimization of Maize Bin Drier Parameters, Maize abstracts, CAB International (England), Vol 14, No 3, pp 43.
2. Omidi T., 2005, Efficiency of Seed Oil Crushing Industry in pledge of Taking Advantage of New Technologies, Tava Monthly Magazine (Journal of Research and Studies Projects of Iran's ministry of industries and Mines).No 20, pp. 2-5.

3. Omidi T. Vitamin E and its role on health , 2006, Journal of Industry Development , , Industrial Development and Renovation Organization of Iran, No 162, pp19-21.
4. Omidi T. Ghafari M. Shokouhi H. 2007, Role of international and Regional organizations in development of Iran's vegetable oil industry, Journal of Aftabgardan, No 16, pp. 20-24.
5. Shokouhi H. Omidi T. 2008, Optimization of energy consumption in vegetable oil industries, Journal of Aftabgardan, No26, pp. 20-24.

2. Congress Papers

1. Omidi T. Vosoughi M., Hamidi Z., 1996, Optimization of Maize Bin Drier Parameters, 9th National Congress of Food Science and Technology. Institute of Standards and Industrial Research of Iran, Tehran, Iran.
2. Omidi T. Vosoughi M., Hamidi Z., 1998, Design and manufacture of Maize Bin Drier., Conference of Food Industries of Iran, Role and Importance of Design and Engineering in Food Industries, Ferdosi University, Mashhad, Iran.
3. Omidi T., Saffarzadeh.Sh, 2002, Separation of Tocopherols from Deodorizer Distillates by Molecular Distillation, National Seminar and Workshop on Advanced Separation Processes, Indian Institute of Technology. Kharagpur, India
4. Omidi T., Saffarzadeh.Sh., 2002, Manufacture and to Operating Falling Film Molecular Distillation Unit , 7th National Congress of Iran's Chemical Engineering, Tehran University, Tehran, Iran.
5. Omidi T., Shokouhi H., 2003, Investigation of Iran's Vegetable Oil Export situation, 14th National Congress of Food Science and Technology, Iran's Export Center. Tehran, Iran.
6. Omidi T., Shokouhi H., 2005, Analysis of Studies on Extraction and Refinery Processing of vegetable oils with SWOT Method, The First Scientific and Applied Seminar on Iran's vegetable Oil Industry, Tehran, Iran.
7. Shokouhi H., Omidi T., 2005, Modification Processing for Producing vegetable Oils with Better Properties, The First Scientific and Applied Seminar on Iran's vegetable Oil Industry, Tehran, Iran.
8. Omidi T., Shokouhi H., 2005, Investigation Of Oil And Fat Technology In Iran By SWOT Analysis, International Palm Oil Congress, Malaysian Palm Oil Board, Selangor, Malaysia.
9. Omidi T., Shokouhi H., 2008, Optimization of Deodorizer Distillate Esterification in Pilot Plant, 18th International Congress of Chemical and Process Engineering, Prague, Czech Republic.
10. Khandan N. Omidi T., 2011, Investigation of Processing Parameters on Physical Property of Spray Dried Fennel powder, National Conference of Medicinal Plants, Sari University, Sari, Iran.
11. Khandan N. Omidi T., 2011, Fennel extraction dehydration spray drying using different carriers, 20th National Congress of Food Science and Technology, Sharif University, Tehran, Iran.
12. Vahedi Kia N., Tajedin B., Omidi T., 2014, Comparison of physicochemical properties of zein bleached and unbleached films, 22th National Congress of Food Science and Technology, University of Agricultural Sciences and Natural Resources, Gorgan, Iran.
13. Vahedi Kia N., Tajedin B., Omidi T., 2014, Effect of nanoparticles of chitosan and cinnamon essential oil on mechanical characteristics of edible films prepared from corn zein, 22th National Congress of Food Science and Technology, University of Agricultural Sciences and Natural Resources, Gorgan, Iran.
14. Borghei Matin. , Omidi Tayebbeh, 2014, The Costs and Benefits of Seawater Desalination, 2nd International Training Workshop, Conference and Exhibition on Desalination, Iranian Research Organization for Science and Technology, Tehran, Iran.
15. Omidi T., Shokouhi H., AZin M., 2014, Desalination Societies, Associations and Research Centers in the World, 2nd International Training Workshop, Conference and Exhibition on Desalination, Iranian Research Organization for Science and Technology, Tehran, Iran.

Patents

Omidi T., Saffarzadeh Sh. And IROST, 2007, Iranian Pat No 41990, Design and manufacture molecular distillation still equipped with pressure and temperature controller for recovery of tocopherols from by-products of vegetable oil factories.

Selected Projects

1- Project Execution , Supervision and Cooperation

	Title of Project	Position	Type of Project	Date	Taskmaster
1	Preparation of Pharmaceutical grade Lactose from Whey	Executor	Experimental and Bench Scale	1996-1998	IROST
2	Preparation of bee Pollen and its drying and preserving Methods	Supervisor	Research	1996-1998	IROST
3	Extraction of Vitamin E from vegetable oils Sources	Executor	Research	1999-2001	IROST
4	Comprehensive study on Modification, Improvement and Development of vegetable oil seeds' Milling and refining	Executor	Research	2002-2006	Organization of Iran's Management and Planning- Minister of Industries and Mines
5	Preparation of Yoghurt Starter Microbial strains	Supervisor	Research	2002-2009	Pegah Dairy Company- IROST
6	Preparation of Shortening with Appropriate Ratio of Saturated to Unsaturated Fatty Acids	Supervisor	Research	2004-2005	IROST
7	Recovery of Tocopherols from vegetable oil factories' by-products and Compilation of its Know - how	Executor	Pilot Plant	2004- 2007	Industrial Development and Renovation Organization of Iran
8	Production of Soy Bean's Isolate and Concentrate with Continuous Method	Supervisor	Pilot Plant	2004-2007	IROST
9	Evaluation of Potency Competition of Iran's Fresh Fruit in order to exporting to Europe	Supervisor	Research	2006-2009	Beheshti Shahid University- IROST
10	Analysis of Iran's Organic Fruits exporting Market with SWOT Method	Supervisor	Research	2007-2009	Beheshti University- IROST
11	Design and to Operate of Evaporator and Spray Dryer of Medicinal Plants' Multipurpose Pilot Plant	Executor	Pilot Plant	2009-2010	Presidency Republic's Assistant Director of Science and Technology
12	Preparation of Natural	Colleague	Research	2011-2012	Presidency

	Antioxidant Extract from Grape Pomace				Republic's Assistant Director of Science and Technology
13	Production of Special Applicable Vegetable Oils	Supervisor	Pilot Plant	2012-2014	Roshd IROT Center
14	Preparation of film Coated with Tocopherol for Prevention of Butter Oxidation	Supervisor	Research	2012-2013	IROST
15	Separation of tannin from Persian gum to introduce it as a commercial food gum	Supervisor	Research	2013-2014	IROST

2- Project Evaluation (more than 25 projects).

3- Project Evaluation in Khwarizmi International Award (more than 35 projects).

Courses Offered

- Food Chemistry
- Students' training

Training Courses

- Foods Nuclear Radiation
- Applications of Industrial Biotechnology
- Principals of Water Treatment
- Medicinal Plants Processing
- Chemical Pilot Plants
- Food Safety & HACCP
- Technology Management
- Engineering Economy
- Auto CAD
- Short path distillation and thin film Distillation
- SWOT Analysis & its Application for Business Plan Preparation
- IT Skills (Access, Excel, Word, PowerPoint , Windows, Visio, Endnote Web)
- International Standards ISO/IES 17025
- Business Planning
- Documentation of Processes
- Principals of Neural Network

Research Interests

- Food Technology
- Edible Oil & Fat Technology
- Antioxidants
- Medicinal Plants