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**Birth date**                    22 Jun 1965  
**Place of Birth**                Gonbad kavooos-Iran  
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### Education

	<b>Place</b>	<b>Year</b>	<b>Project Title</b>
<b>B.A.</b>	Amirkabir University of Technology Tehran-Iran	1979	Synthesis of disperse yellow 68
<b>M.Sc.</b>	Amirkabir University of Technology Tehran-Iran	1983	Synthesis & reactor design of Pigment Red 2
<b>Ph.D.</b>	Amirkabir University of Technology Tehran-Iran	2007	Synthesis and dyeing properties of novel monoazo disperse dyes with alkali- clearable property

### Research Interests

Synthesis of organic colorants  
Dyeing of natural and synthetic fibers

### Job Experiences

Member of academic staff of Institute for colorants, paint and coatings

## **Research Projects**

- Synthesis of Quinizarine
- Synthesis & characterisation of some monoazo disperse dyestuffs based on naphthalimide derivatives for dyeing of polyester fabrics
- Synthesis of Basic Orange 21
- Synthesis of Pigment Orange 73
- Synthesis of Disperse Blue 56
- Synthesis of Ludigol
- Synthesis of Methyl(ethyl) naphthalimid
- Synthesis of Propyl( buthyl) naphthalimid
- Synthesis of Disperse red 73
- Synthesis of Acid blue 45

## **List of Publications**

1. A. khosravi, S. Moradian, K. Gharanjig, F. Afshar Taromi, Investigation of synthesis and dyeing properties of some azonaphthalimide disperse dyestuff for the dyeing of polyester fibers, *Journal of polymer science*, 2005.
2. A. khosravi, S. Moradian, K. Gharanjig, F. Afshar Taromi, Synthesis & characterisation of some monoazo disperse dyestuffs based on naphthalimide derivatives for dyeing of polyester fabrics, *J.Chin.Chem.vol.52, No.3*, 2005.
3. A. khosravi, S. Moradian, K. Gharanjig, F. Afshar Taromi Synthesis & and spectroscopic studies of some naphthalimide based disperse azo dyestuffs for the dyeing of polyester fibres, *Dyes and Pigments* 69(2006).
4. Gharanjig K, Arami M, Rouhani S, Bahrami H, Movasagh B, Mahmoodi NM. Synthesis and characterization of novel monoazo N-ester-1,8-naphthalimide disperse dyestuffs. *Journal of Chinese Chemical Society*. 2007. In Press.
5. Gharanjig K, Arami M, Bahrami H, Movasagh B, Mahmoodi NM, Rouhani S. Synthesis, spectral properties and application of novel monoazo disperse dyes derived from N-ester-1,8-naphthalimide to polyester. *Dyes and Pigments*. In press 2007.
6. Mahmoodi NM, Arami M, Limaee NY, Gharanjig K, Ardejani F D. Decolorization and mineralization of textile dyes at solution bulk by heterogeneous nanophotocatalysis using immobilized nanoparticles of titanium dioxide. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*. 290 (2006) 125–131.
7. Mahmoodi NM, Arami M, Limaee NY, Gharanjig K, Nourmohammadian F. Nanophotocatalysis using immobilized titanium dioxide nanoparticle. Degradation and mineralization of water containing organic pollutant: case study of Butachlor. *Materials Research Bulletin*. 42 (2007) 797–806.

8. Mahmoodi NM, Arami M, Limaee NY, Gharanjig K. Photocatalytic degradation of agricultural N-heterocyclic organic pollutants using immobilized nanoparticles of titania. *Journal of Hazardous Materials*. 145 (2007) 65–71.

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