CURRICULUM VITAE
of Reza Tayyebi

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Reza Tayebee was born in 1970 in Neyshaboor, Iran. He received his B. Sc. degree from the Kharazmi University of Iran in 1992 and his M. Sc. and Ph. D. degrees from Shiraz University, Iran in 1994 and 1999, respectively. He completed his doctoral thesis under the supervision of Darioush Mohajer in Shiraz University, Iran. He started his career as a research fellow in Hakim Sabzevari University in 1999 Sabzevar, Iran.He was promoted to associate professor in 2003 and full professor in 2008 in the aforementioned university. He has previously been a visiting professor at ENS Paris Saclay, Paris, France on 2017 and an invited professor at that university on 2018. His research interests focus on heterocyclic chemistry, catalysis, organic methodology and green synthetic organic chemistry. He has published more than 150 ISI cited papers. His CV is as follows.

BIOGRAPHY:

Degree: Full professor at Hakim Sabzevari University, Sabzevar, Iran

Date and place of birth: 25.02.1970, Sabzevar, Iran

Marital status: Male-Married, two children

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EMPLOYMENT HISTORY AND ACADEMIC EXPERIENCES:

- Assistant Professor of Chemistry, Department of Chemistry, Hakim Sabzevari University, 1999-2003.
- Associate Professor of Chemistry, Department of Chemistry, Hakim Sabzevari University, 2003-2007.
- Full Professor of Chemistry, Department of Chemistry, Hakim Sabzevari University, 2007 till now.
- Director of research council in Hakim Sabzevari University (6 years).
- Teaching Courses: General Chemistry, Inorganic Chemistry, Organic Chemistry, Organometallics, Kinetics and mechanism of Inorganic Reactions, Spectroscopy, Group Theory, Bio-inorganic Chemistry, Catalysis.
-

UNIVERSITY DIPLOMA:

1. B.Sc., General Chemistry, Kharazmi University of Tehran, 1988-1992, Iran.

2. M. Sc., Inorganic Chemistry, Shiraz University, 1992-1994, Iran.
Supervisor: Professor Dr. D. Mohajer

Thesis Title: Catalytic Oxygenation of Some Saturated and Unsaturated Hydrocarbons with Mn(TPP)OAc and Mn(TMP)OAc -Sodium periodate Oxygenation Systems

3. Ph. D., Inorganic Chemistry, Shiraz University, 1994-1998, Iran
Supervisor: Professor Dr. D. Mohajer

Thesis Title: Studies of the Factors Influencing the Catalytic Activities of Sodium periodate – Manganese Porphyrins Systems in the Oxygenation of Hydrocarbons with Different Steric and Electronic Properties

AWARDS & PRIZES:

Hakim Sabzevari University Young Researcher for 6 years, 2001-2007, First Rank.

Distinguished Researcher, Hakim Sabzevari University, 1st rank, 2001-2004.

Invited Professor, ENS Paris Saclay, July-August, 2018.

Visiting Professor, ENS Paris Saclay, July-August, 2017.

CURRENT RESERACH ACTIVITIES

a) Synthesis of Nanocomposites and Nanomaterials
b) Photocatalysis
c) Green Organic Synthesis
d) Synthesis and application of new heteropolyoxometalates

RELEVANT LINKS (scopus/orcid id/ Pubmed Link/ University profile link)
https://scholar.google.com/citations?user=8uBxLPQAAAAJ
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http://www.researcherid.com/ProfileView.action?returnCode=ROUTER.Unauthorized&Init=Yes&SrcApp=CR&queryString=KG0UuZjN5WlURpYhItMl5eOFXvukjpOtRDwclB0R4Rc%253D
https://www.scopus.com/authid/detail.uri?authorId=8373898700
http://www.hsu.ac.ir/en/chemistry/
h index: 25

LIST OF PUBLICATIONS

A) Books

1. *Collection of Some Problems and Solutions in Physical and Analytical Chemistry*, R. Tayebee *(Author)*, Resa Press, Iran, **1992.**

2. *A Review of Concepts and Models in Inorganic Chemistry*, R. Tayebee *(Author)*, Sabzevar Univ. Press, **2003.**

3. *Free Radicals in Exercise and Aging*, Translation, R. Tayebee (co-author), Sabzevar Univ. Press, **2004.**

4. *Kinetic and Mechanism of Inorganic Reactions*, R. Tayebee *(Author)*, M. H. Alizadeh *(Co-Author)*, Sabzevar Univ. Press, **2007.**

5. *Nanochemistry*, R. Tayebee *(Author)*, S. Salemi *(Co-Author)*, Sabzevar Univ. Press, **2010.**

6. *Application of Polyoxometalates and Metalloporphyrins in Catalysis*, R. Tayebee *(Author)*, Univ. Press, **2010.**

B) Journal Papers

1. D. Mohajer, R. Tayebee, H. Goudarziafshar, **Oxidation of Cycloalkanes and Arylalkanes with Sodium Periodate Catalyzed by Manganese Porphyrins**, *J. Chem. Res.(s),*12, 1998, 822.
2. D. Mohajer, R. Tayebee, H. Goudarziafshar, **Sodium Periodate Epoxidation of Alkenes Catalyzed by Manganese Porphyrins**, *J. Chem. Res.(s),*2, 1999,168.
3. D. Mohajer, R. Tayebee, **Influence of Nitrogen bases on Epoxidation of Cyclooctene with Sodium Periodate Catalyzed by Manganese (III) Porphyrins**, *Iranian J. Chem. & Chem. Eng.*, 1(18), 1999, 27.
4. R. Tayebee, **Steric and Electronic Effects in Catalytic Epoxidation of cis(trans)-Stilbenes and R- Limonene with Mn(porphyrin)-NaIO4 Systems,** *Indian J. Chem.* 41(10)B, 2002, 2190.
5. R. Tayebee, **A New Model Based on Group Theory for Correlating Vibrational Displacement Vectors of Attached Atoms and Shapes of the Central Atom Orbitals in** $AB_{n(n=2-5)}$ **Molecules**, *International Journal of Physics Research of Iran,* 2003.
7. Mohammad. H. Alizadeh and Reza Tayebee, **Catalytic Oxidation of Aniline by Aqueous Hydrogen Peroxide in the Presence of Some Heteropolyoxometalates,** *J. Braz. Chem. Soc.*,16(1), 2005, 108.
8. Massoud Rafizadeh, Reza Tayebee, Vahid Amani, and Mohammad Nasseh, **Crystal Structure and Molecular Stereochemistry of Novel Polymeric $Cu_2(DMP)_4(DMSO)$ as a Platform for Phosphate Diester Binding,** *Bull. Korean Chem. Soc.* 26(4), 594, 2005.
10. M. Rafizadeh, R. Tayebee, V. Amani**, Synthesis of Isomorphous Prototypic $[CrFe_2O(AcO)_6(TEP)_3]Cl$ and $CrFe_2O(AcO)_6(TMP)_3]Cl$ As Oxo-Centered HeteroTri-Nuclear Carboxylate Complexes**, *Turk. J. Chem.* 29(4), 2005, 385.
11. R. Tayebee, E. Rafiee, **Acetylation and Oxygenation Transformations Catalyzed by Silica-Supported Dodecatungsophosphoric Acid**, *Bull. Chem. Soc. Ethiop*, 20(2), 2006, 329.

12. R. Tayebee, M. H. Alizadeh, **Acetylation of Alcohols Catalyzed by Dodeca-tungsto(molybdo)phosphoric acid**, Monatshefte fur Chemie 137(8), 2006, 1063.
13. M. H. Alizadeh1, T. Kermani1, R. Tayebee, **A Method for the Acetylation of Alcohols Catalyzed by Heteropolyoxometallates**, Monatshefte fur Chemie 138(2), 2007, 165.
14. R. Tayebee, E. Filekesh, V. Amani, **Study of the Oil Constituents Extracted from Leaf, Flower and Gramineous Stipes of Vitex Pseudo-negundo**, *Asian Journal of Chemistry*, 19(3), 2007, 1772.
15. R. Tayebee, M. H. Alizadeh, **Water as an Efficient Solvent for Oxygenation Transformations with 34% Hydrogen Peroxide Catalyzed by some Heteropolyoxometalates**, Monatshefte fur Chemie 138(8), 2007, 763.
16. R. Tayebee, **Effects of some Nitrogen Bases on the Oxygenation of Tetralin with Sodium Periodate Catalyzed by Manganese(III)*meso*-Tetraphenylporphyrin as a Model Compound of Cytochrome P-450,** *Chinese Journal of Chemistry*, *25*, 2007, 1031.
17. R. Tayebee, **Environmentally Benign Oxidation of Some Organic Sulfides with 34% Hydrogen Peroxide Catalyzed by Simple Heteropolyoxometalates,** *Chinese Journal of Chemistry*, *25(9)*, 2007, 1340.
18. R. Tayebee, **Oxygenation of saturated and unsaturated hydrocarbons with sodium periodate catalyzed by manganese(III) tetra-arylporphyrins, to study the axial ligation of imidazole,** *J. Chem. Sci.*, 118(5), 2006, 429.
19. M. H. Alizadeh, R. Tayebee, M. Mirzaei, **Synthesis and characterization of tetraprolinium silicotungstic acid tetra-hydrate, a new organic-inorganic hybrid based on polyoxometallates ,** Cryst. Res. Technol., **2008**, *43(2)*, 214.
20. R. Tayebee, V. Amani, H. R. Khavasi, **Supramolecular architecture from a sodium coordination polymer with a 3D net containing 3-aminopyrazine-2-carboxylic acid, (APZC): Synthesis, characterization and crystal structure of {$Na_2(APZC)_2(\mu$-$H_2O)_2(\mu_3$-$H_2O)\}_n$,** *Chinese Journal of Chemistry,26(3), 2008, 500.*
21. R. Tayebee, M. Alizadeh, **Environmentally benign oxidation of some alcohols with 34% hydrogen peroxide catalysed by $H_3PW_{12}O_{40}$**, *CURRENT SCIENC*, 93(2), 2007, 133.
22. R. Tayebee, **Mild and Efficient Catalytic Protocol for Tetrahydropyranylation of Alcohols Using Acidic Keggin and Wells-Dawson Structures**, *Chinese Journal of Chemistry*, 26 (12), 2008, 2273
23. R. Tayebee, **Epoxidation of Some Olefins with Hydrogen Peroxide Catalyzed by Heteropolyoxometalates**, *Asian Journal of Chemistry*, 20(1), 2008, 8.

24. R. Tayebee, B.Mahdavi, **Selective Protection of Alcohols as 2-Tetrahydropyranyl Acetals Using Keggin $H_3PW_{12}O_{40}$ Effect of Different Reaction Parameters**, *Asian Journal of Chemistry*, 21(2),1565,2009.
25. R. Tayebee, F. Cheravi, **Efficient Protection of Alcohols with Carboxylic Acids Using a Variety of Heteropolyoxometallates as Catalysts, Studying Effective Reaction Parameters,** *Bulletin of Korean Chemical Society*, accepted for publication.
26. R. Tayebee, V. Amani, **Preparation, Characterization, and Crystal Structure of Bis(1,10-phenanthrolinium) Diaqua Hexakis(nitrato- O,O')thorate(IV),** *Inter.J.Was.treat.& Green Chem*., 1 (1), 2009..
27. R. Tayebee, **Simple Heteropoly Acids as Water-Tolerant Catalysts in the Oxidation of Alcohols with 34% Hydrogen Peroxide, A Mechanistic Approach**, *J. Korean Chem. Soc.*, 52(1), 23, 2008.
28. R. Tayebee, **Environmentally benign oxidation of aniline with 30 % H2O 2 catalyzed by some heteropolyoxometalates**, *Asian Journal of Chemistry*, 21(7), 2009, 5791.
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31. R. Tayebee, F. Cheravi, **Commercial Zinc Oxide (Zn2+) as an Efficient and Environmentally Benign Catalyst for Homogeneous Benzoylation of Hydroxyl Functional Groups,** *Chinese Journal of Chemistry*, 28, 1247, 2010.
32. E. Rezaei-Seresht, F. Mohammadi Zonoz, M. Estiri, R. Tayebee, **Microwave-Assisted Solvent-Free Acetylation of Some Alcohols Catalyzed by Keggin-Type Heteropoly Acids,** *Industrial & Engineering Chemistry Research*, 50, 1837, 2011.
33. R. Tayebee, F. Nehzata, E. Rezaei-Sereshta, F. Z. Mohammadia, E. Rafiee, **An Efficient and** Green **Synthetic Protocol for the Preparation of Bis(indolyl)methanes Catalyzed by H6P2W18O62.24H2O, with Emphasis on the Catalytic Proficiency of Wells-Dawson Versus Keggin Heteropolyacids,** *J. Mol. Catal. A: Chem.*, 351, 154, 2011.
34. Tayebee R, Ghadamgahi M, Maleki B, **Ammonium Dihydrogen Phosphate (NH4H2PO4) as an Environmentally Benign, Cheap, and Effective Catalyst for the**

One-pot Synthesis of 3, 4-Dihydropyrimidin-2(1H)-ones *Chin. J. Catal.*, under publication.

35. Tayebee R, Tizabi S, **Efficient one-pot four-component Dakin-West synthesis of β-**acetamido **ketones catalyzed by H5PW10V2O40, as vanadium substituted heteropolyacid: a mechanistic approach,** Chin. J. Catal., 2012, 33: 923–932
36. Tayebee R, Ghadamgahi M, Maleki B, Chin. J. Catal., **Green and Highly Efficient Protocol for** the **Preparation of 14-Aryl-14-H-dibenzo [a,j]xanthenes Catalyzed by Tungsto-divanado-phosphoric Acid, H5PW10V2O40,** under publication.
37. Tayebee R, E. Rezaei-Sereshta, Maleki B, **A new and efficient method for the preparation of 2,4,6,8-tetra-azabicyclo[3.3.0]octane-3,7-diones (Glycolurils) catalyzed by Keggin, Wells-Dawson, and Preyssler heteropolyoxometalates,** *Lett. Org. Chem.* under publication.
38. Tayebee R., **Ghadamgahi M. Solvent free one-pot multi-component synthesis of 3,4-dihydropyrimidin-2(1H)-ones catalyzed by mesoporous NH4H2PO4/MCM-41 as an environmentally friendly, cheap, and effective catalyst,** Arab. J. Chem., under publication.
39. Tayebee R., Ahmadi S. J., Rezaei Seresht E., Javadi F., Yasemi M. A., Hosseinpour M.. Maleki B. **Commercial Zinc Oxide: A Facile, Efficient, and Eco-friendly Catalyst for the One-Pot Three-Component Synthesis of Multisubstituted 2-Aminothiophenes via the Gewald Reaction,** *Ind. Eng. Chem. Res.* 2012, 51, 14577.
40. B. Maleki, S. Barzegar, Z. Sepehr, M. Kermanian, R. Tayebee, **A novel polymeric catalyst for the one-pot synthesis of xanthene derivatives under solvent-free conditions**, J. Iran. Chem. Soc.2012, 9, 757.
41. R. Tayebee, F. Javadi, G. Argi, **Easy single-step preparation of ZnO nano-particles by sedimentation method and studying their catalytic performance in the synthesis of 2-aminothiophenes via Gewald reaction,** J. Mol. Cat. A: Chem., 2013, 368– 369, 16.
42. R. Tayebee, B. Maleki, M. Ghadamgahi, **Ammonium Dihydrogen Phosphate Catalyst for One-Pot Synthesis of 3,4-Dihydropyrimidin-2(1H)-ones**. Chin. J. Catal., 2012, 33, 659.
43. R. Tayebee, S. Tizabi, **Highly Efficient and Environmentally Friendly Preparation of 14-Aryl-14H-dibenzo[a,j]xanthenes Catalyzed by Tungsto-divanado-phosphoric Acid**, Chin. J. Catal., 2012, 33, 962.
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45. B. Maleki, R. Tayebee, Z. Sepehr, M. Kermanian, A Novel, **Heterogeneous and Recyclable Polymeric Catalyst for the One-Pot Synthesis of Polyhy droquinoline and 1,8-Dioxohexahydroacridine Deriva tives Under Solvent-Free Conditions**, *Acta Chim. Slov.* 2012, 59, 814.
46. R. Tayebee, F. Nehzat, **A Simple and Effective Methodology for the Sulfonylation of Alcohols and Aniline under Solvent Free Condition at Room Temperature**, Am. J. Med. Med. Sci. 2012, 2(1), 36.
47. R. Tayebee, S. Taizabi, **Vanadium Substituted H7SiW9V3O40 as a Versatile Catalyst for Dakin–West Synthesis of Acetamido Carbonyl Compounds**, Am. J. Chem. 2011, 1(1), 22.
48. E. Rafieea, M. Khodayaria, M. Kahrizia, R. Tayebee, **H5CoW12O40 supported on nano silica from rice husk ash: A green bifunctional catalyst for the reaction of alcohols with cyclic and acyclic 1,3-dicarbonyl compounds**, J. Mol. Cat. A: Chem., 2012, 358, 121.
49. R. Tayebee, M. M. Aminib, M. Ghadamgahia, M. Armaghan, **H5PW10V2O40/Pip-SBA-15: A novel reusable organic–inorganic hybrid material as potent Lewis acid catalyst for one-pot solvent-free synthesis of 3,4-dihydropyrimidinones**, J. Mol. Cat. A: Chem., 2013, 366, 266.
50. G. A. Farzi, R.Tayebee, S. Naghibinasa, **Surface modification of ZnO nano-particles with Trimetoxyvinyl Silane and Oleic Acid and studying their dispersion in organic media**, Int. J.Nano Dimens. 6(1): 67-75, Winter 2015.

51. Reza TAYEBEE, Behrooz MALEKI, Malihe GHADAMGAHI, **Ammonium Dihydrogen Phosphate Catalyst for One-Pot Synthesis of 3,4-Dihydropyrimidin-2(1H)-ones**, Chin.J.Catal., 2012, 33: 659–665.

52. Reza Tayebee, Mostafa M. Amini, Hooriyeh Rostamian and Azam Aliakbari, **Preparation and characterization of a novel Wells–Dawson heteropolyacid-based magnetic inorganic–organic nanohybrid catalyst H6P2W18O62/pyridino-Fe3O4for the efficient synthesis of 1-amidoalkyl-2-naphthols under solvent-free conditions**, Dalton Trans., 2014, 43, 1550.

53. Behrooz Maleki, Saba Hemmati, Reza Tayebee,Sirous Salemi,Yasaman Farokhzad, Mehdi Baghayeri, Farrokhzad Mohammadi Zonoz, Elahe Akbarzadeh, Rohollah Moradi, Azam Entezari, Mohammad Reza Abdi, Samaneh Sedigh Ashrafi, Fereshteh Taimazi, and

Majid Hashemi, **One-Pot Synthesis of Sulfonamides and Sulfonyl Azides from Thiols using Chloramine-T**, Helvetica Chimica Acta– Vol. 96 (2013).

54. Reza Tayebee, Esmail Rezaei Seresht, Fariba Jafari, and Sima Rabiei, **Simple Methodology for the Aerobic N‑Methylation of Substituted Anilines Catalyzed by Zirconium Oxychloride Octahydrate, ZrOCl2·8H2O**, Ind. Eng. Chem. Res. 2013, 52, 11001−11006.
55. Reza Tayebee, S. Javad Ahmadi, Esmaeil Rezaei Seresht, Farzad Javadi, Mohammad A. Yasemi, Morteza Hosseinpour, and Behrouz Maleki, **Commercial Zinc Oxide: A Facile, Efficient, and Eco-friendly Catalyst for the One-Pot Three-Component Synthesis of Multisubstituted 2‑Aminothiophenes via the Gewald Reaction**, Ind. Eng. Chem. Res. 2012, 51, 14577−14582.
56. Seyed Javad Ahmadi, Morteza Hosseinpour, Farzad Javadi, and Reza Tayebee, **Optimization Study on Formation and Decomposition of Zinc Hydroxynitrates to Pure Zinc Oxide Nanoparticles in Supercritical Water**, Ind. Eng. Chem. Res. 2013, 52, 1448−1454.
56. Reza Tayebee, Atefeh Hosseini Nasr, Sima Rabiee, and Elahe Adibi, **Zinc Oxide as a Useful and Recyclable Catalyst for the One-Pot Synthesis of 2,4,6-Trisubstituted-1,3,5-trioxanes under Solvent-Free Conditions**, Ind. Eng. Chem. Res. 2013, 52, 9538−9543.
57. Behrooz Maleki, Shahram Barzegar, Zeinalabedin Sepehr, Mina Kermanian, Reza Tayebee, **A novel polymeric catalyst for the one-pot synthesis of xanthenes derivatives under solvent-free conditions**, J IRAN CHEM SOC (2012) 9:757–765.
58. R. Tayebee, N. Zamand, A. Hosseini-nasr, M. Kargar Razi, **Theoretical structural study on the adsorption properties of aliphatic aldehydes on ZnO nanoclusters and graphene-like nanosheets systems**, Journal of Molecular Structure 1065-1066 (2014) 135–142.
59. Reza Tayebee, and Maryam Kargar Razi, **Application of Surface Modified Magnetite as an Efficient Support for Heteropolyacids and Studying Its Catalytic Activity in Organic Synthesis**, JOURNAL OF MATERIAL SCIENCES, JOURNAL OF MATERIAL SCIENCES, 2, 2014, 13-16.
60. Ezzat Rafiee, Maryam Khodayari, Masoud Kahrizi, Reza Tayebee, **H5CoW12O40supported on nano silica from rice husk ash: A green bifunctional catalyst for the reaction of alcohols with cyclic and acyclic 1,3-dicarbonyl compounds**, Journal of Molecular Catalysis A: Chemical 358 (2012) 121– 128.

61. Reza Tayebee, Farzad Javadi, Gholamreza Argi, **Easy single-step preparation of ZnO nano-particles by sedimentation method and studying their catalytic performance in the synthesis of 2-aminothiophenes via Gewald reaction**, Journal of Molecular Catalysis A: Chemical 368– 369 (2013) 16– 23.
62. Reza Tayebee, Mostafa M. Amini, Farzaneh Nehzat, Omid Sadeghi, Mahsa Armaghan, **H5PW10V2O40/pyridino-SBA-15 as a highly recyclable, robust and efficient inorganic–organic hybrid material for the catalytic preparation of bis(indolyl)methanes**, Journal of Molecular Catalysis A: Chemical 366 (2013) 140–148.
63. Reza Tayebee, Mostafa M. Amini, Malihe Ghadamgahi, Mahsa Armaghan, **H5PW10V2O40/Pip-SBA-15: A novel reusable organic–inorganic hybrid material as potent Lewis acid catalyst for one-pot solvent-free synthesis of 3,4-dihydropyrimidinones**, Journal of Molecular Catalysis A: Chemical 366 (2013) 266–274.
65. Reza Tayebee, **A Cheap and Efficient Methodology for the Solvent-Free, One-pot and Multi-component Synthesis of 3,4-Dihydropyrimidin-2(1H)-ones Catalyzed by Mesoporous NH4H2PO4/MCM-48 and Comparison of Its Catalytic Efficacy with NH4H2PO4/MCM-41**, J. Chin. Chem. Soc.2013, 60, 1014-1018.
66. REZA TAYEBEE and BEHROUZ MALEKI, **Assembling of H5PW10V2O40/MCM-48 and studying its superior catalytic performance in the synthesis of 14-aryl-14-H-dibenzo[a, j]xanthenes**, J. Chem. Sci. Vol. 125, No. 2, March 2013, pp. 335–344.
67. Reza Tayebee, Farzaneh Nehzat, Esmail Rezaei-Seresht, Farokhzad Z. Mohammadi, Ezzat Rafiee, **An efficient and green synthetic protocol for the preparation of bis(indolyl)methanes catalyzed by H6P2W18O62·24H2O, with emphasis on the catalytic proficiency of Wells-Dawson versus Keggin heteropolyacids**, Journal of Molecular Catalysis A: Chemical 351 (2011) 154– 164.
68. Behrooz Maleki, **One-Pot Synthesis of 1,8-Dioxodecahydroacridines and Polyhydroquinoline using 1,3-Di (bromo or chloro)-5,5-Dimethylhydantoin as a Novel and Green Catalyst under Solvent-Free Conditions**, J. Mex. Chem. Soc. 2013,57(4).
69. Maryam Kargar Razi, C Rüssel, and Reza Tayebee, **Effect of Alkaline and Earth Oxides on the Chemical Durability of Borosilicate Opal Glasses Opacified with P2O5**, JOURNAL OF MATERIAL SCIENCES, 2, 2014, 17-26.

70. Behrooz Maleki, Samaneh Sedigh Ashrafi and Reza Tayebee, **Lewis acid free synthesis of 3,4-dihydro-1Hindazolo[1,2-b]phthalazine-1,6,11(2H,13H)-triones promoted by 1,1,1,3,3,3-hexafluoro-2-propanol**, RSC Adv.,2014,4,41521.
71. R. Tayebee, M. Jarrahi, B. Maleki, M. Kargar Razi, Z. B. Mokhtari and S. M. Baghbanian, **A new method for the preparation of 1,3,5-triarylbenzenes catalyzed by nanoclinoptilolite/HDTMA**, RSC Adv.,2015,5, 10869.
72. Esmail Rezaei-Seresht, Reza Tayebee and Mohammad Yasemi, **KG-60-Piperazine as a New Heterogeneous Catalyst for Gewald Three-Component Reaction**, Synthetic Communications, 43: 1859–1864, 2013.
73. Behrooz Maleki, Reza Tayebee, Zeinalabedin Sepehr and Mina Kermanian, **A Novel, Heterogeneous and Recyclable Polymeric Catalyst for the One-Pot Synthesis of Polyhydro quinoline and 1,8-Dioxohexahydroacridine Derivatives Under Solvent-Free Conditions**, Acta Chim. Slov. 2012, 59, 814–823.
74. Neda Kermani, Maryam Kargar Razi, Seyed Saeed Mirzaee, Reza Tayebee, **Silica-Calcium Zirconate Nanocomposite, Studying its Thermal and Electrical Properties**, Bulletin of Materials Science, Under publication.
75. Vahid Amani and Reza Tayebee, **Synthesis, Characterization, Thermal Analyses and Crystal Structure of a New Thorium(IV) Nitrate Complex**, Synthesis and Reactivity in Inorganic, Metal-Organic, and Nano-Metal Chemistry, 43:1118–1123, 2013.
76. Reza Tayebee, Farzaneh Nehzat, **A Simple and Effective Methodology for the Sulfonylation of Alcohols and Aniline under Solvent Free Condition at Room Temperature**, American Journal of Medicine and Medical Sciences2012, 2(1): 36-39.
77. Reza Tayebee, Mostafa M. Amini, Nasrin Abdollahi, Azam Aliakbari, Sima Rabiei, Hassan Ramshini, **Magnetic inorganic–organic hybrid nanomaterial for the catalytic preparation of bis(indolyl)arylmethanes under solvent-free conditions: Preparation and characterization of H5PW10V2O40/pyridino-Fe3O4nanoparticles**, Applied Catalysis A: General 468 (2013) 75– 87.
78. Reza Tayebee, Shima Taizabi, **Vanadium Substituted H7SiW9V3O40 as a Versatile Catalyst for Dakin–West Synthesis of Acetamido Carbonyl Compounds**, American Journal of Chemistry. 2011; 1(1): 22-25.
79. Reza Tayebee, Malihe Ghadamgahi, **A New Insight on the Synthesis of 2,4,5-Triaryl-1H-imidazoles in the Absence of Catalyst**, American Journal of Organic Chemistry 2012, 2(1): 25-27.
80. R. Tayebee, M. Ghadamgah, **Solvent free one-pot multi-component synthesis of 3,4-dihydropyrimidin-2(1H)-ones catalyzed by mesoporous NH4H2PO4/MCM-41 as an**

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82. B. Maleki,H. Eshghi, A.Khojasteh,R. Tayebee,S. Sedigh, G.Esmailian. F. Moeinpour, **Silica coated magnetic $NiFe_2O_4$ nanoparticle**, RSC Advances, 64850, 30, 2015.
83. N. Kermani,M. Kargar, S. Mirzaee, R. Tayebee, **Silica–calcium zirconate nanocomposite, studying its thermal and electrical properties**, Bull. Mater. Sci., 673, 38, 2015.
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15. 18th Organic chemistry conference, Iran, **2011**.
16. 14th Inorganic chemistry conference, Iran, **2012**.
17. 14th Inorganic chemistry conference, Iran, **201**3.
18. 14th Inorganic chemistry conference, Iran, **201**4.
19. 14th Inorganic chemistry conference, Iran, **201**5.
20. 14th Inorganic chemistry conference, Iran, **201**6.
21. 14th Inorganic chemistry conference, Iran, **201**7.
22. 14th Inorganic chemistry conference, Iran, **201**8.

23. 14th Inorganic chemistry conference, Iran, **201**9

D) Research Projects

A summary of research projects with industries and companies:

Conducting three research projects with the Presidential Researcher Support Fund. Carrying out two research projects with the Center for International Studies and Communications of the Ministry of Science. Carrying out a research project with Ferrochrome Sabzevar Industry. Carrying out a research project with Sabzevar Sanitary Faucet Company. Carrying out two research projects with Khorasan Razavi Technology research Park. Carrying out a research project with Khorasan Razavi Regional Water Company. Carrying out a research project with the Iranian Standards Organization. Carrying out about 15 internal research projects in the field of analysis of metallic and non-metallic elements in water samples and alloy samples, as well as catalytic and photocatalytic synthesis of excellent compounds, removal of environmental pollutants, as well as targeted drug delivery studies using metallic and non-metallic nanoparticles as well as the synthesis of various nanostructures.

1. **Synthesis and Identification of $[Fe_3O(AcO)_6(TBP)_3]Cl$ …,** Iran, 2001-2003.
2. **Nickel and Chromium Electroplating of Metals in Estirad Co.,** Iran, 1999-2001.
3. **Catalytic Formation of Carbon–Carbon Bonds Using Heteropolyoxometalates,** Iran, 2002-2004.
4. **Qualitative Control of Urban Underground Water in Sabzevar,** Iran, 2003-2005.
5. **A Simple Method for Fast Quantitative Analysis of Brass,** Iran, 2001-2004.
6. **Quantitative and Qualitative Analysis of Chromium and Iron in some Underground Water Resources at Sabzevar Region,** Iran, 2005-2007**.**
7. **The study of consentration and distribution of major oxides, Ni and Co in chromite deposite in Sabzevar ophiolitic belt,** Iran, 2008.
8. **Studying Reduction of Water Pollutions in Drinking Water of Sabzevar,** Iran, 2008.
9. **Studying Application of Heteropoly Acids as Catalysts in the Oxidation of Alcohols with Hydrogen Peroxide,** Sabzevar University, Sabzevar, Iran, 2005.
10. **Studying Catalytic Oxidation of Aniline by Aqueous Hydrogen Peroxide in the Presence of Some Heteropolyoxometalates,** Sabzevar University, Sabzevar, Iran, 2005.

11. **Acetylation and Oxygenation Transformations Catalyzed by Silica-Supported Dodecatungsophosphoric Acid**, Sabzevar University, Sabzevar, Iran, 2006.
12. **Study of the Oil Constituents Extracted from Vitex Pseudo-negundo Plant at Sabzevar Region**, Sabzevar University, Sabzevar, Iran, 2007.
13. **Simple Heteropolyoxometalates in Environmentally Benign Oxidation of Organic Sulfides with Hydrogen Peroxide,** Sabzevar University, Sabzevar, Iran, 2007.
14. **manganese(III) tetra-arylporphyrins in the Oxygenation of saturated and unsaturated hydrocarbons with sodium periodate,** Sabzevar University, Sabzevar, Iran, 2006.
15. **Tetrahydropyranylation of Alcohols Using Acidic Keggin and Wells-Dawson Heteropolyoxometalates,** Sabzevar University, Sabzevar, Iran, 2008.
16. **Epoxidation of Olefins with Hydrogen Peroxide Catalyzed by Heteropolyoxometalates**, Sabzevar University, Sabzevar, Iran, 2008.
17. **Protection of Alcohols with Carboxylic Acids Using a Variety of Heteropolyoxometallates as Catalysts,** Sabzevar University, Sabzevar, Iran, 2008**.**

18. More than 60 international, national, and regional research projects, 2008 till now.

خلاصه ای از طرح های تحقیقاتی برون و درون دانشگاهی:

طرح های برون دانشگاهی: انجام سه طرح تحقیقاتی با صندوق حمایت از پژوهشگران ریاست جمهوری. انجام دو طرح تحقیقاتی با مرکز مطالعات و ارتباطات بین المللی وزارت علوم. انجام یک طرح تحقیقاتی با شرکت فروکروم سبزوار. انجام یک طرح تحقیقاتی با شرکت شیرآلات بهداشتی استیراد سبزوار. انجام دو طرح تحقیقاتی با پارک فناوری خراسان رضوی. انجام یک طرح تحقیقاتی با شرکت آب منطقه ای خراسان رضوی. انجام یک طرح تحقیقاتی با سازمان استاندارد ایران

طرح های درون دانشگاهی: انجام حدود ۱۵ طرح تحقیقاتی درون دانشگاهی در زمینه آنالیز عناصر فلزی و نافلزی در نمونه های آب و نمونه های آلیاژی همچنین سنتز کاتالیزوری و فتو کاتالیزوری ترکیبات عالی، حذف آلاینده های زیست محیطی و همچنین مطالعات داروسانی هدفمند با استفاده از نانوذرات فلزی و نافلزی و همچنین سنتز نانوساختارها

زمینه طرح های تحقیقاتی عمدتاً در رابطه با آنالیز عناصر فلزی و نافلزی در نمونه های آب و نمونه های آلیاژی همچنین سنتز کاتالیزوری و فتو کاتالیزوری ترکیبات عالی، حذف آلاینده های زیست محیطی و همچنین مطالعات داروسانی هدفمند با استفاده از نانوذرات فلزی و نافلزی و همچنین سنتز ترکیبات و بسیاری از کامپوزیت ها در مقیاس نانو بوده است.

DIRECTED THESES

More than 50 in M.S. and 10 Ph.D. are supervised and graduated from 2003 till now.

جدول شماره ۲- مربوط به خدمات علمی - اجرایی

ردیف	نوع فعالیت	محل	تاریخ انجام فعالیت	
			از تاریخ	تا تاریخ
۱	سرپرست دفتر ارتباط با صنعت	دانشگاه سبزوار	۷۷/۹	۷۹/۶
۲	مدیر پژوهشی دانشگاه	دانشگاه سبزوار	۷۹/۶	۸۳/۷
۱	معاونت اداری و مالی	دانشگاه سبزوار	۸۲/۷	۸۶/۳
۲	مدیر نظارت و ارزیابی	دانشگاه سبزوار	۸۶/۱	۹۰/۹
	معاون آموزشی دانشگاه	دانشگاه سبزوار	۹۰/۶	تاکنون
۳	عضو شورای دانشگاه	دانشگاه سبزوار	۸۶/۸/	تاکنون
۴	عضو کمیته اجرایی ارزیابی عملکرد دانشگاه	دانشگاه سبزوار	۸۶/۴/	تا کنون
۵	رئیس کمیته تحول اداری	دانشگاه سبزوار	۸۵/۲/	۸۶/۳/
۶	عضو کمیته علمی یازدهمین سمینار شیمی معدنی اصفهان	اصفهان	۸۶/۵	۸۶/۵
۷	عضو هیات نظارت و ارزیابی استان خراسان رضوی	دانشگاه سبزوار	۸۶/۹/	تا کنون
۸	عضو کمیسیون بهره وری و تحول اداری	دانشگاه سبزوار	۸۶/۱۲/	حدود ۸۷/۸
۹	عضو کمیسیون مناقصه دانشگاه	دانشگاه سبزوار	۸۴/۱۱/	۸۶/۳/
۱۰	رئیس کمیسیون های شورای نظارت و ارزیابی دانشگاه	دانشگاه سبزوار	۸۶/۴/	تا کنون
۱۱	نماینده تام الختیار دانشگاه در کمیته های تخصصی ارزیابی دستگاه های استانی	دانشگاه سبزوار	۸۶/۴/	تا کنون
۱۲	ماموریت راه اندازی کارشناسی ارشد شیمی	دانشگاه سبزوار	۸۵/۵/	۸۸/۲
۱۳	عضو کمیته شیمی معدنی انجمن شیمی ایران	دانشگاه سبزوار	۸۷/۹/	تا کنون
۱۴	عضو کارگروه دانشگاه ها و موسسات عالی دولتی استان	دانشگاه سبزوار	۸۸/۴/	تا کنون
۱۵	مشاوره با هسته های علمی بسیج دانشجویی	دانشگاه سبزوار	۸۵/۳/	تا کنون