

## Elham Motieiyani

Department of Chemistry,  
Payame Noor University, 19395-4697 Tehran, Iran  
Phone. No. : +98-21-22442060-69  
Fax. No. : +98-21-22442060-69

E-Mail :emotieiyani@gmail.com  
emotieiyani@pnu.ac.ir



### PERSONAL

Birth Date: 27 July 1975  
Sex: Female  
Marital status: Married, two children

### EDUCATION

#### *Ph.D., Inorganic Chemistry,*

Payame Noor University, Tehran, Iran, February 2016  
Thesis Title: Synthesis, studying, and characterization of proton transfer compounds and the metal complexes of Co(II), Ni(II), Cu(II), Zn(II), La(III), Gd(III), Ga(III), Tl(III), Bi(III) and Ce(III) obtained through self-assembly method and transition metal oxide nanoparticles.  
Overall G.P.A: 19.26 (96.32%)  
Thesis Supervisor: Professor Mohammad Hakimi  
Thesis Advisor: Professor Heidar Raissi

#### *M.Sc., Inorganic Chemistry,*

Teacher Training University, Tehran, Iran, September 2007  
Thesis Title: Synthesis and Characterization of Mixed Oxide Nanoparticles Containing Ce(IV), Zr(IV) and Their Metal Complexes  
Overall G.P.A: 18.65 (93.25%)  
Thesis Supervisor: Professor Hossein Aghabozorg  
Thesis Advisor: Dr. Hamid Reza Aghabozorg

#### *B.Sc., Pure Chemistry,*

Pure Chemistry - University of Damghan, Iran  
Overall G.P.A: 16.95(84.75%)

### EXPERIENCE

#### *Occupation experience,*

Assistant Professor at Payame Noor University (PNU), Tehran, Iran, Academic member for Teaching 2007-now.

**Articles**

1. S. Abdolmaleki, A. Aslani, A. Aliabadi, S. Khazayel, S. M. Amininasab, Zh. Izadi, M. Ghadermazi, **E. Motieiyani**, D. Marabello, V. H. N. Rodrigues, *J. Coord. Chem.*, 75 (2022) 147-161
2. A. Aliabadi, M. Zangeneh, Zh. Izadi, M. Badzohre, M. Ghadermazi, D. Marabello, F. Bagheri, A. Farokhi, **E. Motieiyani**, S. Abdolmaleki, *J. Mol. Struct.*, Vol. 1247, No. 4, (2022), 131327.
3. M. Zohrevandi, S. Abdolmaleki, M. Ghadermazi, Y. Gholiee, A. Aliabadi, **E. Motieiyani**, M. Hakimi, Domenica Marabello *Polyhedron*, 211 (2022) 115561.
4. A. Aliabadi, E. Motieiyani, F. Hosseinabadi, M. Ghadermazi, S. Abdolmaleki, *J. Mol. Struct.*, 1226 (2021), 129405.
5. A. Aliabadi, M. Hakimi, F. Hosseinabadi, E. Motieiyani, V. H. N. Rodrigues, M. Ghadermazi, D. Marabello, S. Abdolmaleki, *J. Mol. Struct.*, 1223 (2021), 129005.
6. R. Heydari, E. Motieiyani, S. Abdolmaleki, A. Aliabadi, M. Ghadermazi, F. Bagheri, H. A. Rudbari, *J. Coord. Chem.*, 73, No. 16, (2020), 2347-2362.
7. R. Heydari, **E. Motieiyani**, A. Aliabadi, S. Abdolmaleki, M. Ghadermazi and N. Yarmohammadi, *Polyhedron*, 181 (2020) 114477–114488.
8. M. Hakimi, **E. Motieiyani**, F. Bertolotti, D. Marabello, V. H. Rodrigues, *J. Mol. Struct.*, Vol. 1099, No. 4, (2015), 523-533.
9. **E. Motieiyani**, M. Ghadermazi, A. Nemati, N. Ghasemi, M. R. Silva, A. Shokrollahi, J. K. Arokhloo, *Monatshefte für Chemie - Chemical Monthly*, Vol. 114, No. 8, (2013), 1141-1151.
10. S. Sheshmani, J. Soleimannejad, M. Ghadermazi, M. Shamsipur, M. Ghanbari, **E. Motieiyani**, and M. Arab Fashapoyeh, *J. Iran. Chem. Soc.*, Vol. 10, No. 4, (2013), 817-829.
11. S. Sheshmani, M. Ghadermazi, **E. Motieiyani**, A. Shokrollahi, Z. Malekhosseini and M. Arab Fashapoyeh, *J. Coord. Chem.*, (2013), Vol. 66, No. 22, (2013), 3949-3969.
12. M. Hakimi, **E. Motieiyani**, A. Shokrollahi, and A. Naghashian Haghighi, *Inorg. Chim. Acta*, 385(2012)140–149.
13. V. H. Rodrigues, M. Hakimi, **E. Motieiyani**, *Acta Cryst.*, E68 (2012) O1524.
14. **E. Motieiyani**, H.R. Aghabozorg, H. Aghabozorg, *Applied Mechanics and Materials*, Vol. 110-116, (2012), 1411-1416.
15. C. Yuste, M. R. Silva, M. Ghadermazi, F. Feiz, **E. Motieiyani**, *Acta Crystallogr.*, E66(2010)m1643-m1644.
16. J. Safaei-Ghomi, **E. Motieiyani**, F. Manteghi, M. Ghadermazi and H. Aghabozorg, *Acta Crystallogr.*, E66 (2010) m1016-m1017.
17. H. Aghabozorg, **E. Motieiyani**, A.R. Salimi, M. Mirzaei, A. Shokrollahi, S. Derki, M. Ghadermazi, Sh. Sheshmani, and H. Eshtiagh-Hosseini, *Polyhedron*, 29 (2010) 1453–1464.
18. H. Aghabozorg, Sh. Daneshvar, **E. Motieiyani**, F. Manteghi, R. Khadivi, M. Ghadermazi, A. Shokrollahi, M. Ghaedi, S. Derki, and M. Shamsipur, *J. Iran. Chem. Soc.*, Vol. 6, No. 3, (2009), 620- 637.
19. J. Safaei, H. Aghabozorg, **E. Motieiyani**, M. Ghadermazi, *Acta Cryst.*, (2009), E65, m2-m3.
20. H. Aghabozorg, **E. Motieiyani**, J. Attar Gharamaleki, M. Ghadermazi, and J. Soleimannejad, *Acta Cryst.* (2008). E64, m144-m145.
21. H. Aghabozorg, J. Soleimannejad, **E. Motieiyani**, M. Ghadermazi, and J. Attar Gharamaleki, *Acta Cryst.* (2008). E64, m252-m253.
22. H. Aghabozorg, S. Saadaty, **E. Motieiyani**, M. Ghadermazi, and F. Manteghi, *Acta Cryst.* (2008). E64, m466-m467.
23. J. Soleimannejad, **E. Motieiyani**, H. Aghabozorg, M. Ghadermazi, J. Attar Gharamaleki and H. Adams, *Acta Cryst.* (2008). E64, m231-m232.
24. H. Aghabozorg, **E. Motieiyani**, R. Khadivi, M. Ghadermazi, and F. Manteghi, *Acta Cryst.* (2008). E64, m320-m321.
25. M. Ramos Silva, **E. Motieiyani**, H. Aghabozorg and M. Ghadermazi, *Acta Cryst.*, (2008), E64, m1173-m1174.
26. H. Aghabozorg, **E. Motieiyani**, Z. Aghajani, M. Ghadermazi and J. Attar Gharamaleki, *Acta Cryst.* (2007). E63, m1754-m1755.

27. H. Aghabozorg, M. A. Sharif, **E. Motyeian**, M. Ghadermazi and J. Attar Gharamaleki, *Anal. Sci.*, 2007, 23, x99-x100.
28. M. A. Sharif, H. Aghabozorg, **E. Motyeian**, M. Ghadermazi and J. Attar Gharamaleki, *Acta Cryst.* (2007). E63, m2235-m2236.
29. H. Aghabozorg, Sh. Daneshvar, **E. Motyeian**, M. Ghadermazi and J. Attar Gharamaleki, *Acta Cryst.* (2007). E63, m2468-m2469.
30. H. Aghabozorg, J. Attar Gharamaleki, **E. Motyeian**, M. Ghadermazi, *Acta Cryst.* (2007). E63, m2793-m2794.

### Presentations

1. Oral presentation in 14th Conference of Crystallography and Mineralogy of IRAN, Birjand, 1-2 Feb-2007, as titled "Synthesis and characterization of Ce-Zr-Ba, Ce-Zr-Mg mixed oxide catalysts prepared via sol-gel technique", **Elham Motyeian**, Hamid Reza Aghabozorg and Hossein Aghabozorg.
2. Oral presentation in 14th Conference of Crystallography and Mineralogy of IRAN, Birjand, 1-2 Feb-2007, as titled "Synthesis and Characterization of CeO<sub>2</sub>-ZrO<sub>2</sub> mixed oxide catalysts prepared via sol-gel technique", **Elham Motyeian**, Hamid Reza Aghabozorg, Hossein Aghabozorg.
3. Oral presentation in 14th Conference of Crystallography and Mineralogy of IRAN, Birjand, 1-2 Feb-2007, as titled "A novel proton transfer compound obtained from piperazine and pyridine-2-carboxylic acid, and its Nickel(II) and Copper(II) Complexes; Synthesis, Characterization and Crystal Structures", Mohammad Ghadermazi, **Elham Motyeian**, Faranak Manteghi, Jafar Attar Gharamaleki, Janet Soleimannejad, Hossein Aghabozorg.
4. Oral presentation in 9th Conference of Inorganic Chemistry of IRAN, Semnan, 6-7 March-2007, as titled "Crystal Structure of piperazinedium diaquabis(oxalato)cuprate(II) dihydrate", **Elham Motyeian**, Mohammad Ghadermazi, Mahboubeh Sharif, Jafar Attar Gharamaleki and Hossein Aghabozorg.
5. Oral presentation in 9th Conference of Inorganic Chemistry of IRAN, Semnan, 6-7 March-2007, as titled "Diaquabis(pyridine-2 carboxylato) magnesium(II) monohydrate", Mahboubeh Sharif, **Elham Motyeian**, Mohammad Ghadermazi, Jafar Attar Gharamaleki and Hossein Aghabozorg.
6. Oral presentation in 9th Conference of Inorganic Chemistry of IRAN, Semnan, 6-7 March-2007, as titled "Crystal Structure of Polymeric Self-Assembled Lead (II) Complex", **Elham Motyeian**, Mahboubeh Sharif, Mohammad Ghadermazi, Jafar Attar Gharamaleki and Hossein Aghabozorg.
7. Oral presentation in 9th Conference of Inorganic Chemistry of IRAN, Semnan, 6-7 March-2007, as titled "A proton transfer compound: propane-1,3-diaminium-pyridine-2,6-monocarboxylate-pyridine-2,6-dicarboxylic acid water(1/2/2/8)", Janet Soleimannejad, Mohammad Ghadermazi, **Elham Motyeian**, Jafar Attar Gharamaleki and Hossein Aghabozorg.
8. Oral presentation in 2<sup>nd</sup> Conference on NanoStructures-NS2008, Kish, 11-14 March 2008, as titled "Synthesis and characterization of Ce<sub>1-x</sub>Zr<sub>x</sub>O<sub>2</sub> nanoparticles", **Elham Motyeian**, Hamid Reza Aghabozorg and Hossein Aghabozorg.
9. Oral presentation in 6th Conference of Chemistry of PNU, Abhar, 6-7 November-2008, as titled "Synthesis and characterization of ZrO<sub>2</sub> nanoparticles", **Elham Motieiyani**.
10. A classic presentation about application of Nanotechnology and Molecular Machines, 2005.
11. 1<sup>st</sup> Nanostructure Workshop 2006, Synthesis and characterization of inorganic nanotubes.

### HONORS AND AWARDS

1. Win an award in order to valuable activities in the direction of development of knowledge and scientific level of state in the field of nanotechnology.
2. Receive and appreciation letters for successful presentation of essay in 14<sup>th</sup> conference of Crystallography and Mineralogy of Iran.
3. Receive and appreciation letters for successful presentation of essay in 15<sup>th</sup> conference of Crystallography and Mineralogy of Iran.

4. Receive and appreciation letters for successful presentation of essay in 3<sup>th</sup> conference of Nanotechnology in Shiraz.
5. Receive and appreciation letters for successful presentation of essay in 2<sup>nd</sup> Conference on NanoStructures- NS 2008, 11-14 March 2008.
6. Receive and appreciation letters for successful presentation of essay in 9<sup>th</sup> conference of Inorganic Chemistry of Iran.