

**Gholamali FARZI**  
PROFESSOR IN POLYMER ENGINEERING & POLYMER  
NANOCOMPOSITES  
Engineer, M.Sc., Ph.D., Prof.

**HSU – SABZEVAR - IRAN**

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**EDUCATIONAL BACKGROUND**

2009 Post-doctoral finalization in the field of CNT-Polymer nanocomposites, university of Claude Bernard Lyon 1, France  
2007 Ph.D. in polymer engineering, CPE-LYON- INSA DE LYON  
2004 obtaining a scholarship for Ph.D. thesis in France  
2000 M.sc in Polymer Engineering, from Amirkabir University of technology, Tehran, Iran  
1996 B.sc in Polymer Engineering, from Amirkabir University of technology, Tehran, Iran  
1993 Baccalaureate in Mathematics from Evisina High school

**PROFESSIONAL EXPERIENCE**

2017 Professor at Hakim Sabzevari University (HSU)  
2013 Associate professor at Hakim Sabzevari University (HSU)  
2013 Invited researcher at laboratory of polymer material engineering at university of Lyon 1, France  
2010 Assistant professor at university of Sabzevar, Iran, Best researcher of university in 2012, 2013, 2015 (1/462).  
2009 Researcher/Assistant professor at university of Tehran, Iran  
2007 Post-doctorate at research laboratory of polymer materials engineering at university of Lyon1, France, collaboration with Arcelormittal Company, Two publications.  
2004 Ph.D. student in the laboratory of chemistry and polymerization process LCPP/CNRS CPE- Lyon, France (Ph.D. Registration at INSA DE LYON)  
2000 Researcher on polymer science and responsible for R&D in the Giresh Chemical Co. Tehran, Iran  
1998 Research: Laboratory of resin and composite in Amirkabir University of Technology, Tehran, Iran  
1998 Teaching at METRA in the field of Polymer, resins and coatings, Tehran, Iran  
1997 Research Engineer on paint and resin in the Institute of Paint Research Sinalon Institute, Tehran, Iran

1996 Post-Graduate Internship at the Khosh Paint Factory, Tehran, Iran  
1995 Research: Laboratory of Resin and Coating of the Bajak Farcoty, Saveh, Iran  
1994 Research: Laboratory of Paint and Resin &laboratoiry of quality control of coating at the Amirkabir University of Technology.

## Publications

1. **G.A. Farzi**, T. F.L. McKenna, E. Bourgeat-Lami, Miniemulsion polymerization using static mixer: a feasibility study using simple inline static mixers, journal of applied polymer science, 2009, 2114, (6), 3875 - 3881.
2. Roland Rahme, **G.A Farzi**, Christian Graillat, Timothy McKenna, Thierry Hamaide, Miniemulsion Polymerizations Using Static Mixers: Towards High Biocompatible Hydrophobe Contents, Macromoleculal chemistry and physics, 2010, 211(21), 2331–2338
3. **G.A. Farzi**, T. F.L. McKenna, E. Bourgeat-Lami, Miniemulsion polymerization using static mixer: Part 2. Co-emulsification and composite materials using SMX static mixers, The Canadian journal of chemical engineering, 2011, 89 (6), 1434-1440
4. S. Akbar, E.Beyou, P.Cassagnu, **G.A.FARZI**, Radical grafting of polyolefin onto MWCNTs: a model compound approach, Polymer, 50, (2009), 2535-2543
5. U. El-Jaby, **G.A. Farzi**, E. Bourgeat-Lami, M. Cunningham, T. F.L. McKenna, Emulsification for Latex Production using Static Mixers, Macromol Symposia 2009, 281, 77–84
6. **G.A.Farzi**, E. Bourgeat-Lami, T.F.L. McKenna, Synthesis of polyacrylic/silica nanocomposite latexes using static mixer, Macromol Symposium, 2010, 289(1), 129-134
7. **G.A.FARZI**, S. Akbar, E.Beyou, P.Cassagnu, Functionalization of carbon nanotubes in the presence of peroxide and dispersion in polypropylene matrix, Polymer, 2009, vol. 50, no25, pp. 5901-5908
8. M.Mortezaei, **G.A.FARZI**, A.Zabipour, Evaluation of the effect of interfacial layer in polystyrene/silica nanocomposites, journal of applied polymer science, 2011, 119(4), 2039-2047
9. E. Bourgeat-Lami, **G.A.Farzi**, L. David, J-L. Putaux, T.F. McKenna, Miniemulsion polymerization of silica-loaded nanodroplets, Langmuir, 2012, 28 (14), 6021–6031
10. **G.A.FARZI**, M.Mortezaei, A. Badiei, Relationship between droplet size and fluid flow characteristics in emulsification by static mixer, journal of applied polymer science, 2011, 120, 3, 1591-1596.
11. Mehdi Abdollahi, MasoudRezaei, **G.A.FARZI**, A novel active bionanocomposite film incorporating rosemary essential oil and nanoclay into chitosan, Journal of FoodEngineering, 2012, 111(2), 343-350
12. Mehdi Abdollahi, MasoudRezaei, **G.A.FARZI**, Improvement of active chitosan film properties with rosemary essential oil for food packaging, International Journal of Food Science and Technology, 2012, 47 (4), 847-853
13. N. Chehata, A. Ltaief, **A. Farzi**, A. Bouazizi, Charge Transfer Properties in MEH-PPV/PS: MWCNTs Nanocomposites, Journal of Surface Engineered Materials and Advanced Technology, 2012, 2, 174-181

14. Mehdi Abdollahi, MasoudRezaei, **G.A.FARZI**, Chitosan/Clay FunctionalBionanocomposite Activated With Rosemary Essential Oil: Influence On The Shelf-Life Of Fresh Silver Carp, *International Journal of food science and technology*, 2014, 49 (3), 811-818
15. M. Vakili Azghandi, A. Davoodi, **G.A. Farzi**, A. Kosari, Water-base acrylic terpolymer as a corrosion inhibitor for SAE1018 in simulated sour petroleum solution in stagnant and hydrodynamic conditions, *Corrosion science*, 2012, 64, 44-54.
16. N. Chehata, A. Ltaief, **A. Farzi**, B. Ilahi and A. Bouazizi, Effect of functionalisation of MWCNTs on optical and morphological properties of MEH-PPV/MWCNTs nanocomposites, *Int. J. Nanotechnology*, 2013, Vol. 10, Nos. 5/6/7, 577-586
17. M. VakiliAzghandi, A. Davoodi, **G.A. Farzi**, Corrosion inhibitive evaluation of an environmental friendly water-base acrylic terpolymer on mild steel in hydrochloric acid media, *Metallurgical and Materials Transactions A*, 2013, 44 (12), 5493-5498
18. **G.A.FARZI**, S.NAGHIBI, R. TAYEBI, Influence of coupling agent on dispersion of ZnOnano-particles in organic media, *Journal of nanodimension*, 2014,
19. Mehdi Abdollahi, MasoudRezaei, GholamaliFarzi: Original article Influence of chitosan/clay functional bionanocomposite activated with rosemary essential oil on the shelf life of fresh silver carp. *International Journal of Food Science & Technology* 2014; 49(3):811-818. DOI:10.1111/ijfs.12369
20. Mehdi Abdollahi, Masoud Rezaei, **G.A.FARZI**, Preparation and characterization of biodegradable nanocomposite for food packaging, *Iranian Food Science and Technology Research Journal* Vol. 7, No. 1, 2011, p. 71-79
21. Amin Imani, MortezaFarkhondekalamGhadim, **Gholamali Farzi**: Synthesis of PPy–silver nanocomposites via in situ oxidative polymerization. *Journal on nanostructure in chemistry*,04/2014; 4(2). DOI:10.1007/s40097-014-0101-6
22. Amin Imani, **GholamaliFarzi**, AdnenLtaief, Facile synthesis and characterization of polypyrrole-multiwalled carbon nanotubes by in situ oxidative polymerization, *International journal of nano letters*, 2013, 3:52,
23. Maryam MohammadpourNazarabady, **Gholam Ali Farzi**: Morphology control of silica/poly(methyl methacrylate-co-styrene) hybrid nanoparticles via multipleminiemulsion approach. *e-Polymers* 01/2016; 16(2). DOI:10.1515/epoly-2015-0205
24. **G.A. Farzi**, MehrzadMortezaei: Acrylic Latexes Prepared Via Miniemulsion Polymerization Technique for Improvement of Soil Behavior. *NanoScience and Technology* 01/2016; 2(1):50-54.
25. **G.A. Farzi**, NikiRezazadeh, Armin ParsianNezhad: Homogenization Efficiency of Two Immiscible Fluids in Static Mixer Using Droplet Tracking Technique. *Journal of Dispersion Science and Technology* 11/2015; DOI:10.1080/01932691.2015.1115362
26. **G. A. Farzi**, A. ParsianNejad: An Image-Based Technique for Measuring Droplet Size Distribution: The Use of CNN Algorithm. *Journal of Dispersion Science and Technology* 11/2015; DOI:10.1080/01932691.2015.1090321
27. Ali Davoodi, Saleheh Honarbakhsh, **Gholam Ali Farzi**: Evaluation of corrosion resistance of polypyrrole/functionalized multi-walled carbon nanotubes composite coatings on 60Cu–40Zn brass alloy. *Progress in Organic Coatings* 11/2015; 88:106-115.

DOI:10.1016/j.porgcoat.2015.06.018

28. M Shariati, **G A Farzi**, A Dadrasi, M Amiri, R RashidiMeybodi: An Experimental Study on Toughening Mechanisms of Fillers in Epoxy/ Silica Nanocomposites, *International journal of nanoscience and nanotechnology*, 2015, Vol.11, 193-199.
29. Ali Rajaei, **Gholamali Farzi**: Encapsulation of paclitaxel in ultra-fine nanoparticles of acrylic/styrene terpolymer for controlled release. *Colloid and Polymer Science* 09/2015; 294(1). DOI:10.1007/s00396-015-3752-z
30. AMIN IMANI, **GHOLAMALI FARZI**: VRH investigation of polyaniline–multiwalledcarbon nanotube nanocomposite network. *Bulletin of Materials Science* 08/2015; 38(4). DOI:10.1007/s12034-015-0951-7
31. A. Hajibadali, M. BaghaeiNejad, **G. A. Farzi**: Schottky Diodes Based on Polyaniline/Multi-Walled Carbon Nanotube Composites. *Brazilian Journal of Physics* 08/2015; 45(4). DOI:10.1007/s13538-015-0334-y
32. Amin Imani, **Gholamali Farzi**: Facile route for multi-walled carbon nanotube coating with polyaniline: tubular morphology nanocomposites for supercapacitor applications. *Journal of Materials Science Materials in Electronics* 07/2015; 26(10):1-7. DOI:10.1007/s10854-015-3377-5
33. **G. A. Farzi**, N. Rezazadeh, A. ParsianNejad: Droplet Formation Study in Emulsification Process by KSM Using a Novel In-situ Visualization System. *Journal of Dispersion Science and Technology*, 06/2015; 37(4):150610064228003, DOI:10.1080/01932691,2015.1052144
34. Mahmoud Shariati, **Gholamali Farzi**, Ali Dadrasi: Mechanical properties and energy absorption capability of thin-walled square columns of silica/epoxy nanocomposite. *Construction and Building Materials* 03/2015; 78. DOI:10.1016/j.conbuildmat.2015.01.031
35. Hamid reza Dinmohammadi, Ali Davoodi, **GholamaliFarzi**, BahmanKoroji, Water-based acrylic copolymer as an environment-friendly corrosion inhibitor onto carbon steel in 1 M H<sub>2</sub>SO<sub>4</sub> in static and dynamic conditions, *International Journal of Mechanical and Materials Engineering*, 2014, 9:24,
36. Maryam Lashanizadegan, **Gholamali Farzi**, NasrinErfaninia: Synthesis and surface modification of aluminum oxide nanoparticles. *Journal of Ceramic Processing Research* 01/2014; 15(5):316-319.
37. N. Chehata, A. Ltaief, **A. Farzi**, B. Ilahi, A. Bouazizi: Effect of functionalisation of MWCNTs on optical and morphological properties of MEH-PPV/MWCNTs nanocomposites. *International Journal of Nanotechnology* 01/2013; 10(5/6/7):577-. DOI:10.1504/IJNT.2013.053526
38. Amin Imani, **Gholamali Farzi**, AdnenLtaief: Facile synthesis and characterization of polypyrrole-multiwalled carbon nanotubes by in situ oxidative polymerization. 01/2013; 3(1-1):52. DOI:10.1186/2228-5326-3-52
39. Nadia Chehata, OlfaDhibi, AdnenLtaief, **Ali Farzi**, AbdelazizBouazizi: Charge Transfer Properties in MEH-PPV/PS:MWCNTsNanocomposites. *Journal of Surface Engineered Materials and Advanced Technology* 01/2012; 02(03). DOI:10.4236/jsemat.2012.23028

40. MehrzadMortezaei, **Gholamali Farzi**, Mohammad Reza Kalaei, MahmoodZabihpoor: Evaluation of Interfacial Layer Properties in the Polystyrene/Silica Nanocomposite. *Journal of Applied Polymer Science* 02/2011; 119(4). DOI:10.1002/app.32902
41. Poostforooshan, J., Badieli, **A., Farzi**, G., Goldooz, H., & Weber, A. P. Investigation of environmental and concentration effects on fluorescence properties of AlQ3 using mesoporous silica and polyacrylate. *Chemical Papers*, 2017, 1-8.
42. Ghamari, Misagh, and **Gholamali Farzi**. "Frequency and composition dependency of optical and dielectric properties of PMMA/boehmitenano-hybrid prepared via facile aqueous one-pot process." *Modern Physics Letters B* 31.11 (2017): 1750120.
43. Imani, Amin, and **Gholamali Farzi**. "Low temperature process of electronic charge transport mechanism in PANi/MWCNT nanocomposites: tubular morphology." *Journal of Materials Science: Materials in Electronics* (2017): 1-9.
44. Matindoust, S., **Farzi**, A., Nejad, M. B., Abadi, M. H. S., Zou, Z., &Zheng, L. R. (2017). Ammonia gas sensor based on flexible polyaniline films for rapid detection of spoilage in protein-rich foods. *Journal of Materials Science: Materials in Electronics*, 28(11), 2017, 7760-7768.
45. Nazarabady, Maryam Mohammadpour, and **Gholam Ali Farzi**. "Tunable morphology for silica/poly (acrylic acid) hybrid nanoparticles via facile one-pot synthesis." *Macromolecular Research* 24.8 (2016): 716-724.
46. Imani, Amin, MahbubeArabi, and **Gholamali Farzi**. "Effect of in-situ oxidative preparation on electrical properties of Epoxy/PANi/MWCNTs nanocomposites." *Journal of Materials Science: Materials in Electronics* 27.10 (2016): 10364-10370.
47. Dhahri, A., Serghei, **A., Farzi**, G., Baouab, M. H. V., &Beyou, E. (2016). Chitosan-dithiooxamide-grafted rGO sheets decorated with Au nanoparticles: Synthesis, characterization and properties. *European Polymer Journal*, 78, 153-162.48.
48. **G.A. Farzi**, Reza-zadeh N., ParsianNejad A., "Droplet Size Distribution in a Kenics Static Mixer: CFD Simulation andExperimental Investigation of Emulsions", *Journal of Chemical Engineering & Process Technology*, 5(5), (2014): 1000201, DOI: 10.4172/2157-7048.1000201.
49. **G.A. Farzi**, R. Tayebee, S. Naghibinasab, "Surface modification of ZnOnano-particles withTrimetoxyvinylSilane and Oleic Acid and studying theirdispersion in organic media", *International Journal of Nano Dimension*, 6(1), (2015): 67-75.
50. M. Ghamari, **G.A. Farzi**, "Effect of morphology control on optical properties of PMMA/boehmitenano-hybrid prepared through facile one-pot process", *J Mater Sci: Mater Electron*, 28, (2017): 16570-16574.
51. M. Ghamari, **G.A. Farzi**, "Surface morphology of PMMA/boehmite hybrid nanostructuresprepared via facile one-pot process", *Appl. Phys. A*, 123, (2017): 508, DOI 10.1007/s00339-017-1126-8
52. M. MohammadpourNazarabady, **G.A. Farzi**, "The effect of tunable morphology on the potentialapplication of p(acrylic acid-co-2-ethylhexylacrylate)/silica nanohybrids", *e-Polymers*, (2017), DOI: 10.1515/epoly-2017-0041.

53. M. Ghamari. **G.A. Farzi**, “The impact of morphology control on the microhardness of PMMA/Boehmite hybrid nanoparticles prepared via facile aqueous one-pot process”, *J Sol-Gel Sci Technol*, 84, (2017), 135-144, DOI: 10.1007/s10971-017-4487-8.
54. R. Charehkhah, Z. Jarrahi, M. Darabi, A. Imani, **G.A. Farzi**, “Bulk heterojunction solar cells based on polyaniline/multi wall carbonnanotube: from morphology control to cell efficiency”, *Journal of Materials Science: Materials in Electronics*, (2018), DOI: 10.1007/s10854-018-0169-8.
55. M. MohammadpourNazarabadi, **G.A. Farzi**, “Morphology control to design p(acrylic acid)/silica nanohybrids with controlled mechanical properties”, *Polymer*, 143, (2018), 289-297, DOI: 10.1016/j.polymer.2018.02.026.
56. S.R. SaeidJalali, S. Sobat, **G.A. Farzi**, “Surface modification of silica nanoparticle using dichlorodimethylsilane for preparation of self-cleaning coating based on polyurethane and polydimethylsiloxane”, *Mater. Res. Express*, 5, (2018), 095311, DOI: 10.1088/2053-1591/aad607.
57. **G.A. Farzi**, M. Lezgi-Nazargah, A. Imani, M. Eidi, M. Darabi, “Mechanical, thermal and microstructural properties of epoxy-OAT composites”, *Construction and Building Materials*, 197, (2019): 12-20, DOI: 10.1016/j.conbuildmat.2018.11.202.

## Contribution in Conferences

1. **G.A.FARZI**, D. Zarei, S.M. Kassiriha, “Preparation and property study of electrical insulating varnishes”, 2<sup>nd</sup> international conference of paint and chemicals”, Feb 2002, Tehran Iran
2. **G.A.FARZI**, T.F. McKenna, E.BourgeatLami, C.Graillat, “Comparative study of miniemulsion polymerization and conventional polymerization of acrylic monomers”, Club emulsion 2005, Montpellier, France, 26-27 September 2005.
3. **G.A.FARZI**, E.BourgeatLami, T.F.Mckenna, C.Graillat, “Preparation of *SiO<sub>2</sub>/PbuA-Co-PMMA Nanocomposites latex via miniemulsion polymerization* for coating and adhesives applications”, Eleventh Meeting of the UK Polymer Colloids Forum, 11-12 September 2006, The University of Manchester, UK
4. **G.A.FARZI**, E.BourgeatLami, T.F.Mckenna, C.Graillat, “Stability of silica-loaded nanoparticles, in *miniemulsion polymerization*”, Club emulsion 2006, Strasbourg, France, 18-19 September 2006,
3. **G.A.FARZI**, E.BourgeatLami, T.F.Mckenna, C.Graillat, J.L Putaux, *Synthesis of silica /Polyacrylate nanocomposites latexs by miniemulsion polymerization*, 2<sup>nd</sup> International symposium on nanostructured and functional polymer-based materials and composites, Lyon, France, May 29-31, 2006
6. **G.A.FARZI**, T.F. McKenna, E.BourgeatLami, Synthesis of polyacrylic waterbase resins via miniemulsion, Strasbourg, France, 2006, Club emulsion,

7. **G.A.FARZI**, T.F. McKenna, E.BourgaetLami, Polymeric nanocomposite for drug release control, August, 2006, Tehran, Iran
8. **G.A.FARZI**, T.F. McKenna, E.BourgaetLami, Silica/polyacrylatenanocomposite latexes via conventional emulsion and miniemulsion polymerization (A comparison), September, 2007, Lyon, France
9. **G.A.FARZI**, T.F. McKenna, E.BourgaetLami, Silica/acrylic hybrid coatings via miniemulsionnanodroplet formation and polymerization, international conference of Hybrid and nano coating, March 2007, Belgium, Brussels
10. **G.A.FARZI**, T.F. McKenna, E.BourgaetLami, Miniemulsion polymerization of methylmethacrylatenanodroplets created by a novel homogenization device: static mixer, 8<sup>th</sup> international seminar on polymer science and technology, 2007, Tehran, Iran
11. U. El-Jaby, **G.A. FARZI**, T.F.L. McKenna, Miniemulsification: In-line mixers and rotor stators as emulsification devices, Germany, July, 2007
12. **G.A. FARZI**, T.F. McKENNA, E.BOURGEAT-LAMI, Mechanism of droplet formation in emulsification of the monomer with static mixer, 20<sup>th</sup> forum of Jacques Cartier, LYON, France,2007.
13. Ula El-Jaby, **G.A Farzi**, Elodie Bourgeat-Lami, Michael Cunningham, Timothy F.L. McKenna, Emulsification for Latex Production using Static Mixers, Prague, Cheque , 2008
14. **G.A.FARZI**, T.F. McKenna, E.BourgaetLami, Incorporation of silica into polyacrylate latex for adhesive application through miniemulsion and mixed mode polymerization, Canada, May, 2009,
15. **G.A.FARZI**, T.F. McKenna, E.BourgaetLami, Synthesis of polyacrylate/silica nanocompositelatexes using static mixer, Canada, 2009
16. **G.A.FARZI**, E.Beyou, P.Cassagnu, Electrical properties of polypropylene/CNT nanocomposites, UFNM, Tehran, Iran, 2010
17. **G.A.FARZI**, E.Beyou, P.Cassagnu, Preparation of conductive multiwalled carbon nanotube/ Polypropylene nanocomposites, MOLMAT, Montpellier, France, July 2010
18. Mehdi ABDOLLAHI, Masud REZAEI, **Gholamali FARZI**, INCORPORATION OF ROSEMARY ESSENTIAL OIL INTO CHITOSAN, Euromat, Septembre 2011, Montpellier, France.
19. Mehdi ABDOLLAHI, Masud REZAEI, **Gholamali FARZI**, Preliminary study in optimization of bionanocomposite for food packaging, Conference of Fisheries , Tehran, Iran, 2011.
20. **Gholamali FARZI**, MehrzadMortezaei, Estimation of droplet size using fluid flow characteristics in emulsification and synthesis of nano-hybrid materials, Nanocomposite 2011, 7-10 Juin 2011, Paris, France
21. W. Aloui, A. Ltaief, **A. Farzi**, A. Bouazizi, Flexible electrodes as anode for organic solar cells, RAM 2011, The First International Conference on "Research to Applications & Markets», Monastir, Tunisia, June 23-25, 2011
22. N.Chehata, A.Ltaief, **A. Farzi**, A.Bouazizi, Charge transfer properties in MEHPPV/PS:Carbon Nanotubes nanocomposites for photovoltaic application, RAM 2011, The

First International Conference on “Research to Applications & Markets», Monastir, Tunisia, June 23-25, 2011

23. **G.A . FARZI**, A. ALIABADI, M.R. Gangali, P. Norozi, A. Darvishi, H. Bahrami, Superabsorbent Polymers for dust control, First international congress on Dust haze, 15-17 February 2012, Ahwaz, Iran

24-**G.A . FARZI**; A. ALIABADI, The use of nano-structure polymers in dust control, First International Forum on Natural Airborn Dust in IRAN, Kermanshah University of Medical Sciences, 23-25 May, 2012, Kermanshah, Iran

25- **G.A. FARZI**, F. Adibian; M.R. Gangali; P. Norozi; A. Darvishi; H. Bahrami; A. Khoshnevis, Evaluation of the Performance of Synthetic Polymers for Dust Stabilization, First international congress on Dust Haze, 5-17 February 2012, Ahwaz, Iran

26. A.Imani, **G.A.FARZI**, Comparison between silicon based and organic based photovoltaic solar cells, 8-11 Oct. 2012, Aix les bains, France

27. Maryam Mohammadpour, **Gholamali FARZI**, One-pot synthesis of film-forming core-shell P(acrylic acid-co- 2-ethylhexyl acrylate)/silica nanohybrids and UV-adsorption capacity, 22-24 January 2016, Torino, Italy.

28. Maryam Mohammadpour, Gholamali FARZI, Efficient one-pot synthesis of tough and stretchable dumbbell-like and core-shell p(acrylic acid)/silica nanohybrids, 22-24 January 2016, Torino, Italy.

29. Misaghghamari and **G.A.FARZI**, A straightforward approach for concurrent particle formation and surface modification of boehmite nanoparticles via in-situ surface modification, ECOSS, (2016) Grenoble France.

30. Ali Rajaei and **G.A.FARZI** The effect of monomer composition in the synthesis of paclitaxel loaded poly (styrene-co-methyl methacrylate) novel nanoparticles for controlled release. (2015) USA.

31. Maryam Mohammadpour, Gholamali FARZI, In vitro Electrochemical and Antibacterial Performance of P(acrylic acid-co- 2-ethylhexyl acrylate)/silica nanohybrids, ECOSS, (2016) Grenoble France.

32. Maryam Mohammadpour, Gholamali, Farzi, One-pot synthesized p(acrylic acid)/silica nanohybrids coatings for protective applications, ECOSS, (2016) Grenoble France.

## **Prizes, awards and fellowships**

1. Short-term research program award, 2013, (3 months research program), Ministry of research, science and technology of Iran, the program has done at university of Lyon1, Lyon, France
2. Short-term research program award, 2014, (6 months research program), Ministry of research, science and technology of Iran, the program has done at university of Lyon1, Lyon, France
3. Winner of prize best academic researcher in 2012 at Hakim Sabzevari University.
4. Post-doctorate fellowship 2008-2009, university of Lyon1, Lyon, France



5. Ph.D. overseas scholarship award, 2004, for studying Ph.D. abroad (42 months), Ministry of research, science and technology of Iran, Ph.D. has done at Insa de Lyon, Lyon, France (Ranking 2 /450)
6. Winner of prize best academic researcher in 2013 at Hakim Sabzevari University.
7. Winner of prize best academic researcher in 2015 at Hakim Sabzevari University.
8. Best lecture in the 6<sup>th</sup> international conference of advanced materials, Torin, Italy, 22-24 January, 2016.

### **Invited lectures/ Workshops**

1. Nanotechnology from beginning to 2011, Nov. 2011, University of Shahrod, Iran,
2. Application of nanostructured polymers in dust control for clean environment, Feb. 2012, Ramin University of Khozestan, Iran
3. Introduction to nanotechnology, Oct.2011, University of Sabzevar, Sabzevar, Iran
4. Nanotechnology at a glance, Impact on our life and environment, March 2012, University of Monastir, Tunisia,
5. Polymeric nanocomposites, Synthesis and properties and applications, March 2012, University of Monastir,
6. Production of water-based polymeric nanocomposite, Juin 2012, University of Tehran, Tehran, Iran
7. Dust control and environment protection with nanostructured polymers, Dec. 2013, Ramin University of Khozestan, Iran
8. Application of polymer nanocomposites in advanced technologies, July 2017, University of Paris 13, Paris, France
9. Recent progress in morphology control of polymeric hybrid nanoparticles via one pot synthesis, Nov. 2018, Gonabad University, Gonabad, Iran.
10. Studying abroad; Challenges and opportunities, May 2019, Hakim sabzevari university, Sabzevar. Iran.

### **Books,**

1. Mesoporous Silica/Organic Nanocomposites, Jalal PoostforooshanAlirezaBadiei, Gholamali Farzi, Alfred Weber,
2. Mico and nanopolyaniline, synthesis properties and application, G.A. FARZI, 2012, University of Sabzevar, Sabzevar, Iran
3. Polymeric soil modifiers, water retention and dust control, 2018, Tehran, Iran

### **Patents**

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| Chitosan/nanoclay composite films for food packaging, REZAEI, Gholamali FARZI, 2011, Iranian patent office | Mehdi<br>Masoud | ABDOLLAHI, |
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### **Organization of scientific events (international conferences, Workshops...)**

Seminars: Polymer nanocomposites for photovoltaic cellules, February 2010, university of Tehran, Iran,

Advanced biomaterials for Tissue engineering, Hakim sabzevari university and Medical science university of Sabzevar, Jun 2018

Materials in cement industry, November 2018, in joint with MSRT, Tehran, Iran

Advanced biomaterials for Tissue engineering Hakim sabzevari university and Medical science university of Sabzevar, Jun 2019

## **Selected teaching courses**

« Polymeric thin films » Ph.D. Level, Hakim Sabzevari University, IRAN  
« Advanced course in polymer synthesis» Ph.D. Level, Hakim Sabzevari University, IRAN  
« Encapsulation of nanoparticles» Ph.D. Level, Hakim Sabzevari University, IRAN  
«Special topics in polymer electronics», Ph.D. level, Electrical engineering faculty, HSU, IRAN  
«Introduction to polymers», Bachelor of science, Hakim Sabzevari university, IRAN  
«Metal surface coating», Master of science, Hakim Sabzevari university, IRAN  
«Fabrication of polymer composites», Master of science, Hakim Sabzevari university, IRAN  
«Resins for surface coatings», Master of science, Hakim Sabzevari university, IRAN  
«Polymer composites», Master of science, Hakim Sabzevari university, IRAN  
« Polymer Composite manufacturing», Master of science, Hakim Sabzevari University, IRAN  
« Advanced course in polymer nanotechnology» Master of science, Hakim Sabzevari University, IRAN  
«Resins and reinforcements», Master of science, Hakim Sabzevari university, IRAN  
« Transfer phenomena» Bachelor of Science , Hakim Sabzevari University, IRAN  
« Advanced course in polymer materials» Master of science, Hakim Sabzevari University, IRAN  
« General chemistry», Bachelor of Science, Hakim Sabzevari University, IRAN  
« Synthesis of nanostructured materials » Master of science, University of Tehran, IRAN  
« Polymer Materials» Bachelor of Science, Hakim Sabzevari University, IRAN  
« Resins; synthesis and properties» Master of science, University of Tehran, IRAN

## **Management Experience**

2018- Present Director of international academic relations and international student affairs  
Hakim sabzevari university, IRAN

2018-2019 Director of Industry relation office at Hakim sabzevari university, IRAN

2014-2015 Responsible of academic staff recruitments at Hakim sabzevari university, IRAN

2012-2013 Director of superior education at Hakim sabzevari university, IRAN

2010-2014 Director of technology incubator at Hakim sabzevari university, IRAN

2011-2012 Head of Department of Material and polymer engineering, IRAN

2010-Present, Director of the Laboratory of polymer nanocomposites (LNP), Sabzevar, IRAN

## **International, industrial collaborations, experience in foreign countries**

Post-doctoral fellowship for Arcelor Mittal company at university of Lyon1 (Two publications)  
Invited researcher at laboratory of polymer material engineering @ university of Lyon 1, France  
(one publication in press)

Collaboration with university of Monastir, Tunisia (Two publications)  
Collaboration with university of Paris 13, Paris, France

Collaboration with university of Lyon1, Lyon, France

## **Supervised Master Thesis**

**Jalal Postfroshan**, Polymer/Silica-8-hydroxyquinoline nanocomposite prepared via emulsion polymerization, university of Tehran, Tehran, IRAN, 2011

**Mehdi Abdollahi**, The effect of chitosan/nanoclaynanocomposite films enriched with rosmaryessential oil on conserving of Fitofak fish at 4°C, university of Tarbiatmodaress, Tehran, IRAN, 2011

**Mojta vakavili**, Inhibiting properties of MMA/BuA/AA emulsion terpolymer on carbon steel in various aqueous media, Hakim Sabzevari University, Sabzevar, IRAN, 2012

**Sara Naghibinasab**, Surface modification of ZnO nanoparticles and synthesis of ZnO/polyacrylicnanocomposites, Hakim Sabzevari University, Sabzevar, IRAN, 2012

**SaleheHonarbakhsh**, Synthesis of CNT/Polyaniline and CNT/Polyapyrrolenanocomposites, Hakim Sabzevari university, Sabzevar, IRAN, 2012

**Amin Imani**, Synthesis of CNT/Polypayrolenanocomposite via oxydaitive in-situ polymerization, Hakim Sabzevari University, Sabzevar, IRAN, 2013

**MortezaFarkhondelkalam**, Encapsulation of silver nanoparticles in acrylic polymers, Hakim Sabzevari University, Sabzevar, IRAN, 2013

**Ali Rajae**, Encapsulation of paclitaxel in ultra-fine nanoparticles of acrylic/styreneterpolymer for controlled release, Hakim Sabzevari University, Sabzevar, IRAN, 2014

**Maysam Mosayebi**, Self-cleaning polymeric coating for steel, Hakim Sabzevari University, Sabzevar, IRAN, 2014

**Armin Parsiannejad**, Experimental study and modelling of static mixer for emulsification of two phase liquids, Hakim Sabzevari University, Sabzevar, IRAN, 2015

**MahbobehArabi**, Preparation of PANi/MWCNT/Epoxy nanocomposites, Hakim SabzevariUniversity, Sabzevar, IRAN, 2015

Ehsan Mohammad Shahi...

### **Supervised Ph.D. Thesis**

**Ali dadrasi**, Experimental study and simulation of mechanical properties of Silica filled epoxy resins, Shahroud university, Sep. 2015.

**AsgarHajibadali**, Fabrication of schotkydiodes based on MWCNT/PANI or MWCNT/PPY nanocomposites, Hakim Sabzevari University, Feb. 2016.

**Maryam Mohammadpour**, Synthesis of silica/polyacarylicnanocomposites via simultanouse polymerization of monomer and sol-gel formation of silica from inorganic precursor. Jan. 2017

**Amin Imani**, The study of polymeric solar cells efficiency based on MWCNT/PANI and/or MWCNT/PPY nanocomposites. May 2017.

**Misagh Ghamari**, Synthesis of Bohemit/polyacarylicnanocomposites via simultanouse polymerization of monomer and sol-gel formation of bohemite., October 2017.

**Samanehmatindoost**, Polymeric ammonia gas sensor for rapid detection of spoilage in proteinrich foods, January 2018

**HamirezaAzim**, Encapsulation of ethanol in acrylate polymers as Octan booster, February 2019

### **Ph.D. Thesis currently undergoing**

**Mohammad Samiei**, Encapsulation of corrosion inhibitor core shell active material via miniemulsion polymerization, starting September 2016, in Joint with Prof. Ali Davoodi, Ferdowsi university of Mashad, Iran

**Reza Charehkhah**, Morphology control of Pani/CNT nanocomposite as active layer for high efficient polymeric solar cell, starting September 2017, in joint with Prof. Alexis Fischers, Paris 13, France

**Zeinab Jarrahi**, Flexible conductive electrodes for high efficient polymeric solar cell, starting September 2017, in joint with Prof. Alexis Fischers, Paris 13, France

**Morteza Irani**, High efficient polymeric solar cells, starting September 2018, in joint with Prof. Fabien Benedic, Paris 13

**Masomeh Barati**, Advanced drug delivery for cancer therapy, starting September 2018, in joint with Prof. Farshid Sefat Bradford University, Bradford, England

## **Technologies ready for technology transfer**

Production of encapsulated octan booster

### **Languages**

French- Fluent

English- Fluent

Persian - Native language

Turkish- Bilingual

Arabic- Intermediate