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Links to national and international articles:

- ***https://scholar.google.com/citations?user=SCY3DfcAAAAJ&hl=en***
- ***https://www.linkedin.com/in/ghazale-chizari-fard-phd-b1939535***
- ***https://www.researchgate.net/profile/Ghazaleh-Chizari-Fard***
- ***www.pajooheshbama.com***

I am Dr. Ghazaleh Chizari Fard, Currently the Managing Director of a Knowledge Unit Company, research expert-responsible of Industry, society and university of Islamic Azad University, and Associate Professor, I conduct fundamental and applied research in the field of Textile Chemistry Engineering and Nanotechnology. My works have resulted in a number of international publications pursued by industry and is now available at a semi-industrial scale. My work is innovative and recognized both nationally and internationally and my research results are evaluated by national and international sources. I have an interdisciplinary research company covering the areas of nanoscience (nano-fibres and nano-particles) to use in wastewater treatment (nano- absorbent and nano-filter) and medicine (nano-wound dressing, nano-drugs).

Education

PhD. Textile Chemistry & Fiber Science, Yazd Branch of Islamic Azad University, Yazd, Iran (2014-2017).

M.Sc. Textile Chemistry & Fiber Science, Tehran South Branch of Islamic Azad University, Tehran, Iran (2012-2014).

B.Sc. Textile Chemistry & Fiber Science, Arak Branch of Islamic Azad University, Arak, Iran (2007-2011).

Work Experience

- ***Research Expert-responsible of Industry, Society and University***, Islamic Azad University, Iran. *Achievements:* Analysis the Business Plans and representative of IAU for contracts and projects by industries (2021- Present).
- ***Assistant Professor***, Department of Clothing & Fabric Design, Art Faculty, Imam Javad University College, Yazd, Iran. *Achievements:* Advisor of 16 Postgraduate students, Teaching 7 course for master students (2020-Present).
- ***Managing Director***, "Pajoohesh BAMA" Technology Unit Co. *Achievements:* Production of 5 Semi-industrial Products and more than 20 different Nanoparticles and Nanofibers and conducting 3 Research Projects (2019- Present).
- ***Researcher***, Department of Biochemistry, Iran University of Medical Sciences. *Achievements:* Cooperation in research projects of Professor Shabani's Lab. Advisor of 4 Postgraduate students (2018-Present).
- ***Assistant Professor***, Department of Cloth Design, Tehran South Branch of Islamic Azad University, Tehran, Iran. *Achievements:* Teaching related courses to my major for 7 terms (2017-2021).
- ***Researcher***, Nanotechnology Research Center, Tehran South Branch of Islamic Azad University, Tehran, Iran. *Achievements:* Conducting 8 research projects that the results are published in ISI journals and Advisor of 15 Postgraduate students (2015-2020).
- ***Responsible of R&D Department*** in Nanomadpars Co. (Part Time). *Achievements:* Conducting the research projects that improved the above-mentioned company to a Knowledge Enterprise Co. (2011-2017).

Awards & Grants

Awards

- ***Winner of Gold Medal in*** "3rd International Inventors and Invention Com Genevie (2023).
- ***Top Technologist Manager*** Award by Islamic Azad University (2021).
- ***Top Researcher*** Award by Islamic Azad University (2017).

- ***Letter of Appreciation***, University President *for Scientific Endeavors* (2017

Grants

(Exchange rates are based on the rates on 23/Dec/2021 on the Central Bank of Iran on https://www.cbi.ir/exrates)

"**Piezoelectric Nanofibers for Wound Healing of Diabetic Rats**" funded by External Investor & Pajoohesh BAMA Co., **(86,320 €) (P-I) 2021- 2023.**

"**Study the Effects of Melittin-Zinc Oxide Nanoparticle Complex on Breast Cancer Cell Lines**" funded by Iran University of Medical Sciences, **(31,580 €) (CO-I) 2021- 2022.**

"**Study of the Effect of Biocompatible System Containing Royal Jelly and Propolis with Glucanitime on Leishmania Major**" funded by Iran University of Medical Sciences, **(34,740 €) (CO-I) 2021- 2022.**

"**Study Anti-Leishmanial Effect of Chitosan- Zno Nano Particle on Leishmania Major**" funded by Iran University of Medical Sciences, **(10,500 €) (CO-I) 2020- 2022.**

"**Composite Nanofibers for Healing Diabetic Wounds**" funded by Pajoohesh BAMA Co., **(33,600 €) (P-I) 2020- 2022.**

"**Investigation of Antimalarial Effect of Drugs Immobilized on Graphene Quantom Dot on Plasmodium Falciparum**" funded by Iran University of Medical Sciences, **(6,300 €) (CO-I) 2019-2020.**

"**Nanofibers of Biocompatible, Antibacterial and Antioxidant for Increase the Shelf Life of Strawberries**" funded by Pajoohesh BAMA Co., **(14,740 €) (P-I) 2019- 2022.**

"**Preparation of Nanofibers Composites Containing Malva for Diabetic Wounded Rats**" funded by Iran University of Medical Sciences, **(6,300 €) (CO-I) 2019- 2022.**

"**Designed and Production of Environmental Moisture Absorbent for Producing Drinkable Water Using Polymeric Nanofiber**" funded by Iran National Science Foundation (The Office of President, Vice-Presidency for Science and Technology) **(2,950 €) (CO-I) 2015-2016.**

"**The peroration of Modification Nanofiber to Dye Removal from Textile Wastewater**" funded by Yazd Branch of Islamic Azad University, **(1,300 €) (CO-I) 2014-2015.**

Professional Activities

Member of Wastewater Treatment Committee of Iranian Textile Specialists Association (2023-Present).

Member of the Finishing, Dyeing, and Printing Committee of Iranian Textile Specialists Association (2023-Present).

Member of International Federation of Inventors' Associations. (2022-Present).

Reviewer in Nanomedicine Research Journal & The Journal of Textile Science and Technology (2021-Present).

Member of Iran Society of Nanomedicine. Holding 4 workshops for the members in the field of Nanotechnology Voluntary, member of executive committee in the 3rd NMNS conference. Cooperation as an advisor for the research projects (2018-Present).

Member of Iranian Textile Specialists Association. (2017-Present).

"***Nano and Textile Webinar***" held by Ministry of Education (Tehran City), more than 100 chemistry teachers of Tehran city have participated in this webinar and due to the fact that the webinar was practical it has been asked to held the second webinar for all of Iranian chemistry teachers in near future (2021) (http://tehrangam.tehranedu.ir/Modules/News/NewsShow.aspx?page=100&mid=8173&NewsID=36990).

The Member of Executive Committee of the 3rd Nanomedicine and Nanosafty Conference (NMNS). I received a letter of appreciation by the President and Head of Executive Committee of the conference (2020).

"***Essay Writing Webinar***" held by Iranian Society of Nanomedicine, more than 80 Iranian nano-medicine and biochemistry students have participated in this webinar (2020).

	"***Detection and Analysis of Nanoparticles Workshop***" at the School of Design and Distribution of Nano Products, held by Iranian Society of Nanomedicine. This training course was held as 4 hours of theory and 8 hours of practice in Tehran University of Medical Science (2019).
National Patents	IRIPO, 108796, 2023, **"Herbal Piezoelectric Nanofiber Wound Dressing for Treating Diabetic Wounds".**
	IRIPO, 108085, 2022, **"Nanofibers of Biocompatible, Antibacterial and Antioxidant for Increase the Shelf Life of Strawberries".**
National Standards	INSO 22780, 2020, "**Nanotechnology - Assessment of the Durability of Hydrophobic Property of Textiles Containing Nanomaterials - Test Methods**". (http://standard.isiri.gov.ir/SearchEn.aspx).
	INSO 22851, 2020, "**Nanotechnologies –Tiered Approaches for Detection and Characterization of Silver Nanomaterials in Textiles- Guide**". (http://standard.isiri.gov.ir/SearchEn.aspx).
Presentations in International Conferences	"Antibacterial Bio-Nanofibers with Scaffold Potential: Preparation and Characterization", ***NMNS***, *2020.*
	"Sensitive Electrochemical Sensor Using Hybrid Nanofiber Modified Glassy Carbon Electrode for Determination of Cholesterol", ***NMNS***, 2020.
	"Glassy Carbon Electrode Modified by Polyindole Nanocomposite Coating for Detection of Lead Ions", ***NMNS***, 2020.
	"Electrochemical Sensor for Determination of Doxorubicin Based on Graphene/Au Nanocomposite", ***NMNS***, 2020.
	"Synthesis of α-Fe_2O_3 Hybrid Nanofiber for the Removal of Anionic Dyes: Investigation of Adsorption Kinetic and Isotherm", ***ICNF***,2017.
	"Amine Functionalized α-Fe_2O_3Nanofiber: Synthesis, Characterization and Anionic Dye Removal Properties", ***ICNF***, 2017.
	"Removal of Oil Compounds Using Superhydrophobic Surface Modified PAN Nanofiber", ***ICNF***, 2017.
	"Surface Modification of Cobalt Ferrite Nanofiber with L-Argnine and Evolution of Dye Absorption Capacity", ***INCTE***, 2016.
	"Fabrication of Hollow and Non-Hollow SiO_2 Nanofibers: Investigation of Production Conditions and the Dye Removal Ability", ***ICCC***, 2015.

Publications

N. Seifi, R. Mansoori, P. Khoshbakht Marvi, S. Niknam, H. Zarrinnahad, N. Amini, Gh. Chizari Fard, S. A. Dehdast, M. Shabani, "Anti-cancerous effect and biological evaluation of green synthesized Selenium nanoparticles on MCF-7 breast cancer and HUVEC cell lines", *gels*, 8, 2023, 10 **(IF=1.14).**

M. Parvinzadeh Gashti, S. A. Dehdast, A. Berenjian, Mohammad Shabani, E. Zarinabadi, Gh. Chiari Fard*, "PDDA/Honey Antibacterial Nanofiber Composites for Diabetic Wound-Healing: Preparation, Characterization and In Vivo Studies", *gels*, 9, 2023, 173 **(IF=4.432).**

H. Torkashvand, S. A. Dehdast, M. Nateghpour, A. Motevalli Haghi, Gh. Chizari Fard, T. Elmi, M. Shabani, F. Tabatabaie, "Antimalarial Nano-Drug Delivery System Based on Graphene Quantum Dot on Plasmodium falciparum: Preparation, Characterization, Toxicological Evaluation", *Diamond & Related Materials*, 132, 2023, 109670. **(IF=3.315)**

Gh. Chizari Fard, S. Shokri, M. rahamti, N. Moghadam, H. Zafeanlou, R. Ghobadi, S.Seify, M. Varmezyar, Green Synthesis of Copper Oxide Nanoparticles Using Gundelia tournefortii and Aloe Vera Extract and Removal of Lead ions from Wastewater" *Desalination and Water Treatment*, 2022, 1. **(IF=1.234)**

M. Mahmoudi; M. Shabani; S. A. Dehdast; S. Saberi; T. Elmi; Gh. Chiari Fard; F. Tabatabaie; S. Akbari, "The Characterization and Antileishmanial Evaluation on Leishmania Major with Chitosan/Zno Bio-Nanocomposite as Drug Delivery Systems", *Nanomedicine Research Journal*, 7, 2022, 140. **(IF=1.14)**

M. Kamani, M. Rahmati, S. Amiri Khoshkar Vandani, Gh. Chizari Fard, " Investigation of "MCM-22", "ZSM-12 & 35 Composite", and "Zeolite Al-Mordenite & ZSM-39 Composite" Crystals by Analysis of Characterization Techniques ", *J. Chil. Chem. Soc*, 66, 2021, 5332. **(IF=1.36)**

B. Hemmatian, N. Heidarzadeh, Gh. ChizariFard, L. Maleknia, "Fabrication of Phase-Change Core/Shell Nanofibers based on a Eutectic Fatty Acid Mixture to Control Body Temperature Fluctuations Materials Chemistry and Physics", *Materials Chemistry and Physics*, 245, 2020, 122738. **(IF=4.095)**

Gh. ChizariFard, A. Almasian, S.A. Dehdast, L. Maleknia, M. Giyahi," Synthesis and Characterization of Novel Antibacterial PDDA/Honey Nanofiber Against Gram-Positive and Gram-Negative acteria", *Nanomedicine Research Journal*, 5, 2020, 75. **(IF=1.14)**

Gh. Chizari Fard, A.Almasian, L. Maleknia, M.Giahi, S.A. Dehdast, "Removal of Heavy Metal Ions by Modified PAN/PANI-Nylon Core-Shell Nanofibers Membrane: Filtration Performance, Antifouling and Regeneration Behavior", *Chemical Engineering Journal*, 351, 2018, 166. **(IF=13.273)**

A. Almasian, Gh. Chizari Fard, M. Mirjlili, "Fluorinated-PAN Nanofibers: Preparation, Optimization, Characterization and Fog Harvesting Property", *Journal of Industrial and Engineering Chemistry*, 62,2018, 146. **(IF=6.064)**

A. Berenjian, L. Maleknia, Gh. Chizari Fard, A. Almasian, "Mesoporous Carboxylated Mn_2O_3 Nanofibers: Synthesis, Characterization and Dye Removal Property", *Journal of the Taiwan Institute of Chemical Engineers*, 86, 2018, 57. **(IF=5.876)**

A. Almasian, M.L. Jalali, Gh. ChizariF ard, L. Maleknia, "Surfactant Grafted PDA-PAN Nanofiber: Optimization of Synthesis, Characterization and Oil Absorbency Property", *Chemical Engineering Journal*, 326, 2017, 1232. **(IF=13.273)**

Gh. Chizari Fard, M. Mirjalili, F. Najafi, "Hydroxylated α-Fe_2O_3 Nanofiber as A New Adsorbent to Remove Cationic Dyes from Aqueous Solutions: Optimization of Synthesis Conditions, Kinetic, Isotherm and Error Analysis", *Journal of the Taiwan Institute of Chemical Engineers*,70, 2017, 188. **(IF=5.876)**

Gh. Chizari Fard, M. Mirjalili, A. Almasian, F. Najafi, "PAMAM Grafted α -Fe_2O_3 Nanofiber: Preparation and Dye Removal Ability from Binary System", *Journal of the Taiwan Institute of Chemical Engineers*,80, 2017, 156. **(IF=5.876)**

A. Almasian, Gh. ChizariFard, L. Maleknia, "Fabrication of Hollow and Non-Hollow SiO_2 Nanofibers for Removal of Cationic Dyes from Aqueous Solutions", *Environmental progress and sustainable energy, 36, 2017, 1390.* **(IF=2.431)**

A. Almasian, F. Najafi, M. Mirjalili, M. ParvinzadehGashti, Gh. ChizariFard, "Zwitter Ionic Modification of Cobalt-Ferrite Nanofiber for the Removal of Anionic and Cationic Dyes", *Journal of the Taiwan Institute of Chemical Engineers*,67, 2016, 306. **(IF=5.876)**

F. Rezaei, L. Maleknia, P. Valipour, Gh. ChizariFard, "Improvement Properties of Nylon Fabric by Corona Pre-Treatment and Nano Coating", *Journal of The Textile Institute*, 107, 2016, 57. **(IF=1.88)**

A. Almasian., M. Parvinzadeh Gashti., M Ebrahim Olya, Gh. ChizariFard, "Poly (acrylic acid)-zeolite nanocomposites for dye removal from single and binary systems", *Desalination and Water Treatment*, 57, 2016,20837. **(IF=1.234)**

A. Almasian, Gh. ChizariFard, M. ParvinzadehGashti, M. Mirjalili, Z.MokhtariShourijeh, "Surface modification of electrospun PAN nanofibers by amine compounds for adsorption of anionic dyes", *Desalination and Water Treatment*, 57 , 2016, 10333. **(IF=1.234)**

A. Almasian, M. Parvinzadeh, M. E. Olya, Gh. ChizariFard, "Preparation of Inorganic Heat Resistant Pigments by Synthesizing SiO_2/TiO_2 Nanoparticles on Zeolite", *Journal of color science and technology*, 8, 2015, 317. **(Q1)**

Gh. ChizariFard, M. Montazer, "The Effect of CO2 laser on Morphology, Strength and Improvement of Color Properties of Bleached Cotton Fabric", *Coloration Technology*, 130, 2014, 13. **(IF=1.614)**

A. Almasian, M. E. Olya, M. Parvinzadeh, Gh. ChizariFard, "Removal of Cationic Dye Basic Red 46 from Aqueous Solutions Using a SuperabsorbentComposite of Zeolite/Acrylic Acid: Isotherm and Kinetic Study", *Journal of color science and technology*, 7, 2013, 195. **(Q1)**

Book

Gh. Chizari Fard, A. Almasian, M. Mirjalili, "**The Principles of Nanofibers Production and their Application in Air Purification**", Yazd Branch of Islamic Azad University, Iran, ISBN: 978-964-10-3537-4.

S. Bagher daryaii, Gh. Chizari Fard, **"Persuassion People: Expert Solution to Everyday Challenges"**, Zemamdar Publisher, ISBN: 978-622-6869-12-6.