



## ملیحه پیشوایی

دانشیار

پژوهشکده: پوشش های سطح و فناوری های نوین

گروه پژوهشی: رزین و افزودنیها



### سوابق تحصیلی

مقطع تحصیلی	سال اخذ مدرک	رشته و گرایش تحصیلی	دانشگاه
کارشناسی	۱۹۹۷	Polymer Engineering	Amirkabir university of technology (Tehran polytechnic)
کارشناسی ارشد	۲۰۰۰	Polymer Engineering	Amirkabir university of technology (Tehran polytechnic)
دکتری	۲۰۰۵	Polymer chemistry	Universit� Claude Bernard Lyon۱

### اطلاعات استخدامی

محل خدمت	عنوان سمت	نوع استخدام	نوع همکاری	پایه
پژوهشگاه رنگ		رسمی قطعی	تمام وقت	۱۵

### مقالات در نشریات

- Emrani S. M. H., Pishvaei M., Jamshidi. M. Investigation of Core-shell Polymer Structures With Application in Paint and Resin Industry. Journal of Studies in Color world. (in Persian). ۲۰۲۳.
- Eftekhari B., Pishvaei M. A Review on the Poly(Vinyl Chloride) Plastisol Coatings and Its Rheology. Journal of Studies in Color world (in Persian). ۲۰۲۰.
- Ghanbari D., Shirkavand Hadavand B., Pishvaei M. Investigating Viscoelastic Behavior of Resins, Organic Coatings and Nanocomposites. Journal of Studies in Color world (in Persian). ۲۰۱۹.
- Kalajahi M. Study of effective factors on the conductivity of polypyrrole nanoparticles (doped with FeCl<sub>3</sub>) synthesized via emulsion polymerization. Journal of Color Science and Technology (in Persian). ۲۰۱۶.
- Soltani F., Pishvaei M. Synthesize of hydrochloric acid doped polyaniline nanoparticles via inverse emulsion polymerization. Journal of Color Science and Technology (in Persian). ۲۰۱۶.
- Soleimani , Gorgani A., Pishvaei M., Gorji , Kandi S., Najafi F., Yekefallah V., Solution process . ۶

- organic light-emitting diodes, part I: active layers. *Journal of Studies in Color world* (in Persian), ۲۰۱۴.
- Soleimani , Gorgani A., Pishvaei M., Gorji , Kandi S., Najafi F., Yekefallah V. Solution process of organic light-emitting diodes, part II: electrodes. *Journal of Studies in Color world*. (in Persian), ۲۰۱۴.
- Babaei E., Pishvaei M., Najafi F. A review on the polymeric self-healing coatings: capsule-based self-healing coatings" (in Persian). *Journal of Studies in Color world* (Persian journal), ۲۰۱۲.
- Shaghaghi M., Yousefi A. A., Pishvaei M. Study on synthesis and optical properties of polymeric opals with nanometric core-shell structure. *Journal of Color Science and Technology* (in Persian), ۲۰۱۲.
- Yazdi Mamaghani M., Pishvaei M. and Kaffashi B. A review of the antibacterial nanoparticles and their applications" (in Persian). *Nano world* (Persian journal), ۲۰۱۰.
- Bastani S., Pishvaei M., Jalili M., Sorooshnia Sh. The effect of pigment concentration and particle size distribution on the rheological behavior of lithography inks. *Journal of Color Science and Technology* (in Persian), ۲۰۱۰.
- Pishvaei M. Study on organic/inorganic nanocomposites prepared by emulsion polymerization" (in Persian). *Nano world* (Persian journal), ۲۰۰۹.
- Pishvaei, Malihe. Synthesis of methyl methacrylate-co-butyl acrylate polymer used in water-borne paints by emulsion polymerization. *Journal of Color Science and Technology* (in Persian), ۲۰۰۸.
- Pakdaman S., Farshchi Tabrizi F., Fadaee M. M., Pishvaei M. Reaction calorimetry in the production of water based resins by emulsion polymerization process. *Journal of Color Science and Technology* (in Persian), ۲۰۰۸.
- Akbaripour Tafreshinejad S., Soleimani Gorgani A., Pishvaei M., Multifunctional screen-printed film using polymer nanocomposite based on Ppy/TiO<sub>2</sub>: Conductive, photocatalytic, self-cleaning and antibacterial functionalities, *Iranian polymer journal*, 2023.
- Ghasemzadeh H., Mehrpajouh A., Pishvaei M., Compressive strength of acrylic polymer-stabilized Kaolinite clay modified with different additives, *ACS Omega*, 2022.
- Ghanbari D., Shirkavand Hadavand B., Pishvaei M., Morphology and Viscoelastic Properties of UV cured-Polyurethane Acrylate/Silicon Carbide Nanocomposites, *Iranian Polymer Journal*, 2021.
- Saeedi, F., Montazeri, A., Bahari, Y., Pishvaei, M., Jannat B., A study on the viscoelastic behavior of chitosan-polyvinyl alcohol-graphene oxide nanocomposite films as a wound dressing, *Polymers and Polymer Composites*, 2021.
- Ghasemzadeh H., Mehrpajouh A., Pishvaei M., Effect of glass transition temperature of acrylic polymer on the geotechnical properties of fine grained soils, *Journal of Materials in Civil Engineering*, 2021.
- Ghasemzadeh H., Mehrpajouh A., Pishvaei M., Laboratory analyses of Kaolinite stabilized by vinyl polymers with different monomer types, *Engineering Geology*, 2021.
- Ranjbar Hamghavandi, M.; Montazeri, A.; Ahmadi, A.; Pishvaei, M., Preparation and characterization of chitosan /graphene oxide nanocomposite coatings on Mg-2 wt % Zn scaffold by pulse electrodeposition process, *Biomedical Materials*, 2021.
- Akbaripour Tafreshinejad S., Pishvaei M., Soleimani Gorgani A., Synthesis of antibacterial conductive polypyrrole/ titanium dioxide core-shell nanocomposites, *Polymer Science B*, 2020.
- Ghasemzadeh H., Mehrpajouh A., Pishvaei M., Mirzababaei M., Effects of curing method and glass transition temperature on the unconfined compressive strength of acrylic liquid polymer stabilized Kaolinite, *Journal of Materials in Civil Engineering*, 2020.
- Saeedi F., Montazeri A., Bahari, Y., Pishvaei, M.; Jannat, B., Rasa M., Saeedi F., Fabrication and characterization of chitosan-polyvinyl alcohol-graphene oxide nanocomposite scaffold for wound healing purposes, *Human, Health and Halal Metrics*, 2020.
- Shirkavand Hadavand B., Pishvaei M., Hosseiniasari M., The role of nanoclay on surface 25

- roughness and characteristics of epoxy polysulfide nanocomposite, *Progress in Organic Coatings*, 2019
- Saeedi F., Montazeri A., Bahari Y., Pishvaei M., Ranjbar M., "Synthesis and Characterization of Chitosan-Poly Vinyl Alcohol-Graphene Oxide Nanocomposites, *International Journal of Chemoinformatics and Chemical Engineering*, 2018
- Karami S., Motahari S., Pishvaei M., Eskandari N., Improvement of thermal properties of pigmented acrylic resin using silica aerogel, *Journal of Applied Polymer Science*, 2017
- Kazazi H., Khodaiyan F., Rezaei K., Pishvaei M., Mohammadifar M. A., Moieni S., Rheology and microstructure of kefir and whey protein mixed gels, *Journal of Food Science and Technology*, 2017
- Khadem F., Pishvaei M., Salami, & Kalajahi M., Najafi F., Morphology Control of Conducting PPy Nanostructures via Operational Conditions in the Emulsion Polymerization, *Journal of Applied Polymer Science*, 2017
- Rouhani Sh., Pishvaei M., Photo-Physical Behavior and Fluorescence of Thermo Switchable Nanocomposite Based on Methyl Methacrylate–Spirobenzopyran, *Journal of Fluorescence*, 2017
- Moarref P., Pishvaei M., Soleimani, & Gorgani A., Najafi F., Synthesis of polypyrrole /indium tin oxide nanocomposites via miniemulsion polymerization, *Designed Monomers and Polymers*, 2016
- Pishvaei M., Rouhani Sh., Madadi Sh., Synthesis of a Fluorescent Nanocomposite of Methacrylate Polymer via miniemulsion polymerization, *Polymer Bulletin*, 2014
- Zarshenas E., Bastani S., Pishvaei M., Curing Behavior Study of UV-Curable Coatings Containing Nano Silica and Different Multi-Functional Monomers via Depth Profiling Assessment, *Industrial & Engineering Chemistry Research*, 2013
- Khedmat S., Momen, & Heravi F., Pishvaei M., A Comparison of viscoelastic properties of three root canal sealers, *Journal of Dentistry of Tehran University of Medical Sciences*, 2013
- Shamshiri M R., Yousefi A. A., Pishvaei M., Ameri F., Artificial latex-based opals prepared by spin casting of monodispersed nano particles, *Journal of polymer research*, 2012
- Khedmat S., Momen, & Heravi F., Pishvaei M., Rheological properties of endodontic sealers: the effect of time, temperature and composition, *Iranian polymer journal*, 2012
- Arabi A. M., Ebadzadeh T., Yousefi A. A., Pishvaei M., Marzban rad E., Zamani C., Hydrothermal synthesis of highly stabilised ZnS-Polystyrene hybrid nanoparticles, *Micro & Nano letters*, 2011
- Yazdi Mamaghani M., Pishvaei M. and Kaffashi B., Synthesis of latex based antibacterial acrylate polymer/nanosilver via in situ miniemulsion polymerization, *Macromolecular Research*, 2011
- Yousefi A. A., Pishvaei M., Yousefi A., Preparation of water-based Alkyd/acrylic hybrid resins, *Progress in Color, Colorants and Coatings*, 2011
- Arabi A. M., Ebadzadeh T., Yousefi A. A., Pishvaei M., Marzban rad E., Najafi F., The Function of Nano-polystyrene Template and Comb Polycarboxylic Acid Surfactant in Synthesis of ZnS Nanoparticles via Hydrothermal Method, *Iranian polymer journal*, 2011
- Najafi F. and Pishvaei M., Synthesis and characterization of nonionic urethane-based thickener, *Progress in Color, Colorants and Coatings*, 2011
- Soleimani, & Gorgani A., Pishvaei M., Water fast of inkjet print by using acrylic/ nano-silver ink, *Progress in Color, Colorants and Coatings*, 2011
- Shaghghi M., Yousefi A. A., Pishvaei M., Synthesis of artificial opals with core-shell morphology via emulsion polymerization technique, *e- polymer*, 2011
- Pishvaei M. and Farshchi Tabrizi F., Synthesis of high solid content polyacrylate/nanosilica latexes via miniemulsion polymerization, *Iranian polymer journal*, 2010
- Pishvaei, M.; Graillat, C.; McKenna, T.F.; Cassagnau, P., Experimental investigation and phenomenological modelling of the viscosity- shear rate of bimodal high solid content latex, *J. Rheology*, 2007

- Pishvaei, M.; Cassagnau, P.; McKenna, T.F., Modelling of the rheological properties of bimodal .46 emulsions, Macromolecular Symposia, 2006
- Pishvaei, M.; Graillat, C.; Cassagnau, P.; McKenna, T.F., Modelling the zero shear viscosity of a .47 bimodal high solid content latex: calculation of the maximum packing fraction, Chemical Engineering Science, 2006
- Pishvaei, M.; Graillat, C.; McKenna, T.F.; Cassagnau, P., Rheological behaviour of polystyrene .48 latex near the maximum packing fraction of particles, Polymer, 2005
- Pishvaei, M.; Graillat, C.; Cassagnau, P.; McKenna, T.F., Rheological behaviour of highly .49 concentrated polystyrene latex near the maximum packing fraction of particles, DECHEMA Monographien, 2004

## کتابها

- 
۱. دانشنامه رنگ و رزین های آب پایه ایران، فصل دوم: رئولوژی پوشش های آب پایه
  ۲. پلیمرهای هوشمند: تهیه و کاربرد، فصل هفتم: پلیمرها و کامپوزیت های پلیمری خودترمیم شونده
  ۳. Polymer Reaction Engineering VI