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## ● Research Interest:

*Smart Nanocomposite Hydrogels and Aerogels*

## ● Publications in International Scientific Journals

1. Kokabi, M., Pirooz, A., Nekomanesh Haghghi, M., (1998), *Gel-Casting of Engineering Ceramics*; Iranian Polymer Journal, Vol. 7, No. 30.
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4. Barati, A., Kokabi, M., Famili, M. M. N., (2003) "Drying of Gelcast Ceramic Parts via Liquid Desiccant Method", J. of the European Ceramic Society, 23, 2265-2272.
5. Babaluo, A.A, Kokabi, M, Barati, A, (2004), "Chemorheology of Alumina-Aqueous Acrylamide Gelcasting Systems", J. of the European Ceramic Society, 24, 635-644.
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7. Kokabi, M., Arabgol, F., Manteghian, M, (2004) " $Nd_2Fe_{14}B$  Permanent Polymeric Composite Magnets". Iranian Polymer Journal, vol. 14, No. 1, 71-79.
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13. Rezanejad, S., Kokabi, M., (2007), "Shape Memory and Mechanical Properties of Crosslinked Polyethylene/Clay Nanocomposites", European Polymer Journal, Vol.43, Issue 7, 2856-2865.
14. Ghader S., Manteghian M., Kokabi M., Sarraf Mamoory R., (2007), "Induction Time of Reaction Crystallization of Silver Nanoparticles", Chem. Eng. Technol., 30, No. 8, 1-6.
15. Bahramian A.R., Kokabi M., Famili M.H.N., Beheshty M.H., (2007), "Thermal Degradation Process of Resole Type Phenolic Resin Kaolinite Layered Silicate Nanocomposite", Iranian Polymer Journal, Vol.16, No.6.
16. Mirzadeh, A., Kokabi, M., (2007), "The Effect of Composition and Draw Down Ratio on the Morphology and Oxygen Permeability of Polypropylene Nanocomposite Blown Film", European Polymer Journal, 43, 3757-3765.
17. Ghader S., Manteghian M., Kokabi M., Sarraf Mamoory R., (2007), "Preparation of Truncated Silver Nanoparticles by a Simple and Rapid Method in Aqueous Solution", Polish J. Chem., 81, (2007), 81, 1555-1565.
18. Sorousazar M., Kokabi M., Yari M., Mass Transfer during the Pre-Usage Dehydration of Polyvinyl Alcohol Hydrogel Wound Dressings, Iranian Journal of Pharmaceutical Science, 4(1) 51-56 (2008).
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- 23.Samani F., Kokabi M., Rezazadeh Valojerdi M., (2009), "Optimising the Electrospinning Process Conditions to Produce Polyvinyl Alcohol Nanofibers", International Journal of Nanotechnology, Vol.6, Nos.10/11, 1031-1040.
- 24.Khanlari S., Dehghani-Ashkezari G., Kokabi M., Razzaghi-Kashani M., (2010), "Fiber Reinforced Nanocomposite Seismic Isolators: Design and Manufacturing", Polymer Composites, Vol.31, Issue 2, 299-306.
- 25.Samani F., Kokabi M., Soleimani M., Rezazadeh Valojerdi M., (2010), Fabrication and Characterization of Electrospun Fibrous Nanocomposite Scaffolds based on Poly (lactide-co-glycolide)/poly(vinyl alcohol) blends, Polymer International, Vol.59, 1-9.
- 26.Amirshaghghi A., Kokabi M., (2010), Tailoring Size of alpha-  $Al_2O_3$  Nanopowders via Polymeric Gel-net, Iranian Polymer Journal, Vol. 19, No.8, 615-624.
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- 32.Khanlari S., Kokabi M., (2011), "Thermal Stability, Aging Properties, and Flame Resistance of NR-Based Nanocomposite", Journal of Applied Polymer Science, Vol. 119, 855-862.
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- Nanocomposite by Cone Calorimeter*, Iranian Polymer Journal, 20, 5, 399-411.
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- 49.Arabpour Roghabadi F., Kokabi M., Bahramian A.R., (2013), *Chemorheological Behavior of  $\beta$ -SiAlON Aqueous Suspensions in Gelcasting Process*, Polymer Engineering & Science, 53, 10, 2123–2128.
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- 51.Najafi Hajivar I., Kokabi M., (2013), *Polymer-network Hydrogel Facilitated Synthesis of Ca- $\alpha$ -SiAlON Balls Composed of Nanoparticles*, Ceramic International, 39, 3321-3327.
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- 57.Parmoor S., Sirousazar M., Kheiri F., Kokabi M., (2016), *Nanoclay and Cu Nanoparticles Loaded Polyethylene Nanocomposites for Natural Gas*

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