MD Ayşen Aktürk

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Education Information

Doctorate, Istanbul Technical University, Kimya-Metalurji, Metalurji Ve Malzeme Mühendisliği, Turkey 2011 - 2020
Postgraduate, Istanbul Technical University, Kimya-Metalurji, Kimya Mühendisliği, Turkey 2008 - 2011
Undergraduate, İstanbul University-Cerrahpaşa, Faculty Of Engineering, Department Of Chemical Engineering, Turkey 2003 - 2008

Research Areas

Chemical Engineering and Technology, Metallurgical and Materials Engineering

Academic Titles / Tasks

Engineer, Istanbul Technical University, Kimya-Metalurji, Kimya Mühendisliği, 2010 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

I. **Optimization of the electrospinning process variables for gelatin/silver nanoparticles/bioactive glass nanocomposites for bone tissue engineering**
Akturk A., Erol Taygun M. M., Göller G.
Polymer Composites, vol.41, no.6, pp.2411-2425, 2020 (SCI-Expanded)

II. **Fabrication of antibacterial polyvinylalcohol nanocomposite mats with soluble starch coated silver nanoparticles**
Aktürk A., Taygun M. M., Guler F. K., Göller G., Kucukbayrak S.
Colloids and Surfaces A: Physicochemical and Engineering Aspects, vol.562, pp.255-262, 2019 (SCI-Expanded)

III. **Synthesis and antifungal activity of soluble starch and sodium alginate capped copper nanoparticles**
Aktürk A., Guler F. K., Taygun M. M., Göller G., Kucukbayrak S.
Materials Research Express, vol.6, no.12, 2019 (SCI-Expanded)

IV. **Optimal use of condensed parameters of ultimate analysis to predict the calorific value of biomass**
Ozyuguran A., Akturk A., Yaman S.
Fuel, vol.214, pp.640-646, 2018 (SCI-Expanded)

V. **Fabrication of nanocomposite mat through incorporating bioactive glass particles into gelatin/poly(ε-caprolactone) nanofibers by using Box–Behnken design**
Gonen S., TAYGUN M. M., AKTURK A., KUCUKBAYRAK S.
Materials Science and Engineering C, vol.67, pp.684-693, 2016 (SCI-Expanded)

Metrics

Publication: 7
Citation (WoS): 138
Citation (Scopus): 163
H-Index (WoS): 5
H-Index (Scopus): 5