

An example of green surfactant systems based on inherently biodegradable IL-derived amphiphilic oximes

Pandya, Subhashree Jayesh; **Kapitanov, Illia**; **Usmani, Zeba**; Sahu, Reshma; Sinha, Deepak; **Gathergood, Nicholas**; Ghosh, Kallol K.; **Karpichev, Yevgen** Journal of molecular liquids 2020 / art. 112857 <https://doi.org/10.1016/j.molliq.2020.112857> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Mixed oxime-functionalized IL/16-s-16 Gemini surfactants system: physicochemical study and structural transitions in the presence of promethazine as a potential chiral pollutant

Pandya, Subhashree Jayesh; **Kapitanov, Illia**; **Borovkov, Victor**; Ghosh, Kallol K.; **Karpichev, Yevgen** Chemosensors 2022 / art. 46 <https://doi.org/10.3390/chemosensors10020046> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Molecular interactions between novel synthesized biodegradable ionic liquids with antidepressant drug

Banjare, Manoj Kumar; Behera, Kamalakanta; Banjare, Ramesh Kumar; Pandey, Siddharth; Ghosh, Kallol K.; **Karpichev, Yevgen** Chemical Thermodynamics and Thermal Analysis 2021 / art. 100012, 12 p <https://doi.org/10.1016/j.ctta.2021.100012>

Sustainable phenylalanine-derived sails for solubilization of polycyclic aromatic hydrocarbons

Kapitanov, Illia; **Sudheer, Surya**; **Yadav, Toshikee**; Ghosh, Kallol K.; Gathergood, Nicholas; **Gupta, Vijai Kumar**; **Karpichev, Yevgen** Molecules 2023 / art. 4185 : ill <https://doi.org/10.3390/molecules28104185> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)