Prof. **Branislav Ž. Nikolić**

Editor-in Chief

Journal of the Serbian Chemical Society

**Dear Prof. Branislav Ž. Nikolić**

Please find enclosed a research article entitled “Mixed adsorption of hexadecylpyridinium bromide and Triton X surfactants at graphitized carbon black ” by Olga Kochkodan and Victor Maksin for your kind consideration as for possible publication in Journal of the Serbian Chemical Society.

In this work, the mutual effect of cationic hexadecylpyridinium bromide and non-ionic octylphenol ethoxylates surfactants of the Triton X series on the composition of the mixed adsorption layer at the surface of graphitized carbon black was studied. A synergetic effect was found when the adsorption of both non-ionic and cationic surfactants at carbon black from their binary mixtures was higher than adsorption of the surfactants from their individual solutions. It was shown that the more hydrophobic non-ionic surfactant was preferentially adsorbed at the surface from mixed solutions with hexadecylpyridinium bromide. As understanding the main features of the mixed adsorption at solid/liquid interfaces is is very important in many colloid-chemical processes, this paper fits to the scope of the Journal and should be of interest to a broad readership in the fields of colloid chemistry, physical chemistry and surface science.

With the submission of this manuscript, I would like to undertake that:

* The findings and results in this work are novel and have not been taken from any other source;
* The manuscript has not been submitted or published before in any journals and will not be submitted for publication while under review by the Journal of the Serbian Chemical Society
* All authors of this paper have directly participated in the planning, execution, or analysis of the study;
* All authors of this paper have read and approved the final version submitted;
* There is not conflict of interest related to this manuscript.
* The manuscript contains no libellous or other unlawful statements and does not contain any materials that violate any personal or proprietary rights of any other person or entity

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Thank you for your kind consideration of this work for possible publication in the Journal. Please address all correspondence related to the paper to my e-mail: okochkodan@hotmail.com

Kind regards,

Dr. Olga Kochkodan