25.04.2018. Editor

Journal of the Serbian Chemical Society

Dear Prof. Dr **Miloš Đuran**

We have sent the following manuscript to you in consideration of publishing it in *Journal of the Serbian Chemical Society*

**Title**: Antimicrobial, Antioxidant Activity and DNA-binding Affinity of a Few Differente Pd(II) complexes

**Authors:** Ivana R. Raković, Biljana D. Popovska Jovičić, Sara Petrović, Petar P. Čanović, .Ivana D. Radojević, Katarina G. Mladenović, Ljiljana R. Čomić, Predrag S. Čanović, Jovana Bogojeski(✉)

Today a large number of antibiotics and chemotherapeutics are accessible for treatment of infectious diseases. However the resistance of microorganisms to antibiotics and antifungals is a serious problem around the world. This indicates that it is necessary as soon as possible discovery of new compounds endowed with antimicrobial activity, possibly acting through mechanism of action, which is distinct from those of well-known classes of antimicrobial agents to which many clinically relevant pathogens are now resistant. Special attention is paid to the study of the antimicrobial activity of complex compounds with different metal ions.

A review of the current literature has shown that palladium(II) complexes with different ligands exhibit significant biological activity, which leaves the possibility for further investigation of the complexes of this metal ion as potential antimicrobial and antioxidant activity. The interactions of the palladium(II) complexes with CT-DNK will be investigated corresponding the hypothesis that DNA could be the possible targets in organism.

The suggested reviewers can be:

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# With best wishes,

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