**Synthesis and efficacy of copper(II) complexes bearing *N*(4)-substituted thiosemicarbazide and diimine co-ligands on plasmid DNA and HeLa cell lines**

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COVERING LETTER FOR SUBMISSION OF MANUSCRIPT

Dr. S.Vasantha
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29.04.19

Dear Editor of Journal of the Serbian Chemical Society,

 I am enclosing herewith a research article entitled, “Synthesis and efficacy of copper(II) complexes bearing *N*(4)-substituted thiosemicarbazide and diimine co-ligands on plasmid DNA and HeLa cell lines” or consideration publication in Journal of the Serbian Chemical Society. With the submission of manuscript I would like to confirm that this work is original and has not been published elsewhere, nor it is currently under consideration for publication elsewhere. In this paper, we reported wide-ranging biological properties of heterocyclic thiosemicarbazone ligands and its mixed ligand copper(II) complexes with diimine moieties. Following biological studies such as antibacterial, DNA cleavage and *in vitro* cytotoxicity were authenticated the biological significance of thiosemicarbazone copper(II) complexes. To the best of my knowledge, this is the first kind of study which investigates biological significance of the copper(II) complexes with substituted thiosemicarbazone derivatives with diimine moieties. Hence, our research work may supportive to discover novel anticancer drug.

 We believe that this manuscript is appropriate for publication because our findings will be of biological application oriented and also particular interest to the readership of the journal and no doubt that your journal provides the most suitable platform for the dissemination of our work to the research community.

We have no conflicts of interest to disclose.

Dr. S.Vasantha (vasantha@ldc.edu.in)

Thank you very much for your consideration

Sincerely,

Dr. S.Vasantha

Herewith, I have include a suggestion of three reviewers

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