Dear Editors!

Journal of the Serbian Chemical Society,

We would like to submit our paper Mr Nguyen Xuan Sang and my name

With titled

**Theoretical study of the addition and hydrogen abstraction reactions of methyl radical with formaldehyde and hydroxymethylene**

In this paper, we have carefully revisited important reactions of methyl radical with formaldehyde and hydroxymethylene by Gaussian 09 software. These addition and hydrogen abstraction reactions of methyl radical were calculated and compared to both of recent experimental and theoretical reports. In a revisit to rate constant of methyl radical with formaldehyde, our calculation result was well fit to recent experimental result. In compare to previous theoretical calculation works, it showed a better agreement. We also calculated surface potential and rate constant of methyl radical with hydroxymethylene. These reactions, to the best of our knowledge, have never been studied. The work brought some important conclusions about methodology of calculation channels by Gaussian program.

We believe our manuscript could be submitted to the Journal of the Serbian Chemical Society because itinvolved in the theoretical study of addition and hydrogen abstraction reactions of methyl radical which belong to theoretical Chemistry one of the scope of your journal.

If you find that the manuscript suitable for your journal

We would like to suggest some reviewers as follows:

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We are looking forward to hearing from you.

Sincerely yours,

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