Date: 09.02.2016

To

The Editor

Journal of Serbian Chemical Society

Dear Sir/Madam,

We are here with sending our research article entitled, ***“Microwave Assisted Synthesis of Substituted 4-Chloro-8-methyl-2-(1,3-diphenyl-1H-pyrazol-4-yl)-1,5-dioxa-2H-phenanthren-6-ones and Their Antimicrobial Activity”*** for publication in ***“Journal of Serbian Chemical Society”.***

Due to the potential antimicrobial activity of pyranochromenones and pyrazolines moieties, hybrid compounds containing both, substituted 4-Chloro-8-methyl-2-(1,3-diphenyl- -1*H*-pyrazol-4-yl)-1,5-dioxa-2*H*-phenanthren-6-ones (**4a-g**), have been synthesized from substituted (*E*)-1-(7-Hydroxy-4-methyl-8-coumarinyl)-3-(1,3-diphenyl -1*H*-pyrazol-4-yl)-2-propen-1-ones (**3a-g**) in good yield using the Vilsmeier-Haack reaction, by microwave-assisted method. The structures of all the compounds have been established on the basis of analytical and spectral data. All the synthesized compounds were tested *in vitro* for their antibacterial and antifungal activities. Some of the compounds shown very good activity compared to standard drugs against all pathogenic bacteria and fungi.

Necessary action may kindly be taken.

Best regards,

Dongamanti Ashok

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