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To

Editor-in-Chief,

Journal of the Serbian Chemical Society.

**Title of the Manuscript:** "Synthesis and biological evaluation of (3-aryl-1,2-oxazol-5-yl)methyl 6-fluoro-4-oxo-4H-chromene-2-carboxylates as antioxidant and antimicrobial agents "

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Dear Editor,

We would like to submit the manuscript entitled as above for a publication in your esteemed journal "*Journal of the Serbian Chemical Society*". In this manuscript we described synthesis, antioxidant and antimicrobial activities of novel (3-aryl-1,2-oxazol-5-yl) methyl 6-fluoro-4-oxo-4H-chromene-2-carboxylate derivatives (**C<sub>1</sub>**-**C<sub>12</sub>**). Among all the synthesized compounds, **C<sub>1</sub>** (IC<sub>50</sub>: 16.43 ± 0.57 μM) and **C<sub>12</sub>** (IC<sub>50</sub>: 15.98 ± 0.72 μM) have registered good antioxidant activity as compared to the standard drug Trolox. Compound-**C<sub>1</sub>**, **C<sub>3</sub>**, and **C<sub>6</sub>** have registered very good inhibition against all gram-positive and gram-negative bacterial strains with MIC values ranging from 9.375 to 37.5 (μg/mL). Compound-**C<sub>7</sub>**, **C<sub>8</sub>**, **C<sub>9</sub>**, **C<sub>10</sub>**, and **C<sub>11</sub>** have registered good inhibition against *B. Subtilis* and *S. aureus* with MIC values ranging from 18.75 to 37.5 (μg/mL). Compound-**C<sub>10</sub>** and **C<sub>11</sub>** against *P. aeruginosa* have shown prominent activity than the standard drug Penicillin (MIC: 12.5 μg/mL) with MIC 9.375 μg/mL (~ 1.33 fold potent than Penicillin). Compound-**C<sub>7</sub>**, **C<sub>8</sub>**, and **C<sub>9</sub>** have registered good to moderate antifungal activity against four tested fungal strains with MIC values ranging from 18.75 and 37.5 μg/mL.

I warrant that the manuscript submitted to the "*Journal of the Serbian Chemical Society*" for review is original, has been written by me, and has not been published elsewhere. The manuscript is currently not being considered for publication by any other journal. 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.

I suggest the following referees for review of the article.

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I request you to please consider the same and take necessary action in this regard.

  
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