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Warsaw, February 7th 2025

**Justification of distinction of the doctorate thesis by Mr. Alejandro Iglesias Reguant  
„Intermolecular Interactions Between Fluorophores Carrying BF/BF<sub>2</sub> Group  
and Halogenated Fluorobenzenes”**

Taking into account the very high scientific level of the research carried out and the very valuable publication achievements of the doctoral student, I am appealing to the Scientific Council of the Discipline of Chemical Sciences of the Nicolaus Copernicus University in Toruń to award a distinction for the doctoral thesis of Mr. Alejandro Iglesias Reguant. In my opinion, this work constitutes a very important contribution to the development of theoretical and physical organic chemistry, in particular to the comprehensive understanding of the interaction of halogen bonds and its impact on the electronic and vibrational spectra of organic dyes, facilitating the development of new compounds and materials with various applications in chemistry, materials science and related fields. The highly professional presentation of this doctoral dissertation proves Mr. Reguant's very high proficiency. This is a truly ambitious and demanding theoretical work that deserves high recognition. His results will undoubtedly inspire others to undertake further research in this area. It should be emphasized that the key results presented in the thesis were published in the form of three articles in two very good scientific journals: *Journal of Organic Chemistry* (1 paper) and *Physical Chemistry Chemical Physics* (2 papers). In all of them, the PhD student is the first author. Importantly, Mr. Reguant is also the author of four other articles published in *Dyes and Pigments*, *Journal of Molecular Liquids*, *Molecules* and *Physical Chemistry Chemical Physics*. I believe that Mr. Alejandro Iglesias Reguant is an extremely talented young researcher and his doctoral thesis deserves recognition.

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