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Amir Dashti, Hossein Riasat Harami, Mashallah Rezakazemi, Saeed Shirazian

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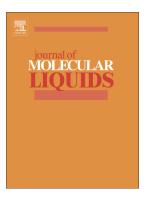
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## **ACCEPTED MANUSCRIPT**

# Estimating CH<sub>4</sub> and CO<sub>2</sub> solubilities in ionic liquids using computational intelligence approaches

Amir Dashti<sup>1</sup>, Hossein Riasat Harami<sup>2</sup>, Mashallah Rezakazemi<sup>3</sup>, Saeed Shirazian<sup>4,5,\*</sup>

<sup>&</sup>lt;sup>1</sup> Young Researchers and Elites Club, Science and Research Branch, Islamic Azad University, Tehran, Iran

<sup>&</sup>lt;sup>2</sup> Separation Processes Research Group (SPRG), Department of Engineering, University of Kashan, Kashan, Iran

<sup>&</sup>lt;sup>3</sup> Faculty of Chemical and Materials Engineering, Shahrood University of Technology, Shahrood, Iran

<sup>&</sup>lt;sup>4</sup> Department for Management of Science and Technology Development, Ton Duc Thang University, Ho Chi Minh City, Vietnam

<sup>&</sup>lt;sup>5</sup> Faculty of Applied Sciences, Ton Duc Thang University, Ho Chi Minh City, Vietnam

<sup>\*</sup> Corresponding author at: Ton Duc Thang University, Ho Chi Minh City, Vietnam; E-mail: saeed.shirazian@tdtu.edu.vn

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