

Accepted Manuscript

Indication and discussion of flaws in “Properties of binary mixtures derived from hydrogen bonded liquid crystals” by M. Fouzai et al. [J. Mol. Liq. 249 (2018) 1279-1286]

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PII: S0167-7322(17)35945-7
DOI: doi:[10.1016/j.molliq.2018.03.073](https://doi.org/10.1016/j.molliq.2018.03.073)
Reference: MOLLIQ 8847

To appear in: *Journal of Molecular Liquids*

Received date: 11 December 2017
Revised date: 13 March 2018
Accepted date: 17 March 2018



Please cite this article as: Wojciech Tomczyk, Indication and discussion of flaws in “Properties of binary mixtures derived from hydrogen bonded liquid crystals” by M. Fouzai et al. [J. Mol. Liq. 249 (2018) 1279-1286], *Journal of Molecular Liquids* (2018), doi:[10.1016/j.molliq.2018.03.073](https://doi.org/10.1016/j.molliq.2018.03.073)

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Indication and discussion of flaws in "Properties of binary mixtures derived from hydrogen bonded liquid crystals" by M. Fouzai et al. [J. Mol. Liq. 249 (2018) 1279-1286]

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Abstract

This Letter comprises comments, in brief form, about the doubtful results from dielectric spectroscopy measurements and drawbacks in data presentation in the paper by M. Fouzai et al. [J. Mol. Liq. 249 (2018) 1279-1286].

Keywords: liquid crystals, complex dielectric permittivity, dielectric properties, relaxation process, data presentation

Dear Editor,

Fouzai et al. published the paper entitled "Properties of binary mixtures derived from hydrogen bonded liquid crystals", where they made a number of mistakes, and in particular, presented unreliable results from dielectric measurements and conducted an incorrect analysis of acquired data (Section 4.5 of [1]).

This Letter is organized as follows: at first main errors and shortcomings are pinpointed and in the end, flaws of data presentation.

Main errors:

- a) Fouzai et al. claim that they have identified smectic F and smectic G phases, which is a doubtful statement. Forasmuch, authors did not

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