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We wish to submit a new manuscript entitled “Synthesis and Characterization of Silicate Gel by using Sol-gel Process: Experiments and DFT calculations” for consideration by the Journal [Mediterranean Journal of Chemistry].

We confirm that this work is original and has not been published elsewhere nor is it currently under consideration for publication elsewhere.

The problem treated is to study of the gelling reaction of sodium silicate under acidification of hydrochloric acid. The products obtained are characterized by SEM, X-Ray Diffraction and FTIR spectroscopy techniques.

A theoretical study of the reactivity of gelling is also defined via the conceptual density functional theory (CDFT). Allowing us to define the global and local reactivity indexes of two reagents, sodium silicate and hydrochloric acid.

Please address all correspondence concerning this manuscript to me at hass.chaair@gmail.com.

Thank you for your consideration of this manuscript.

Sincerely,

Hassan Chaair