**Concerning the paper entitled**

**Structural and vibrational study of titanium**

**monophosphates Na0.5M0.25Ti2(PO4)3 (M = Mn, Ni)**

**By**

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Dear Pr. Aziz SOUIZI.

I am pleased to submit an original research article ''chemical preparation, thermal behavior and infrared studies of Structural and vibrational study of titanium monophosphates Na0.5M0.25Ti2 (PO4)3 (M = Mn, Ni) ‘for consideration to be published in Mediterranean journal of chemistry.

This article concerns the structural and vibratory study of a new titanium monophosphate. The title compounds have been found to have a wide range of applications. Inorganic phosphates comprise a broad class of miscellaneous materials having many important industrial uses, for example as catalysts, ion exchange materials, and solid electrolytes for batteries, linear and nonlinear optical components, chelating agents, synthetic bone substitutes and phosphorus detergents. And fertilizer. Na0.5M0.25Ti2 (PO4)3 (M = Mn, Ni) crystallizes in the system orthorhombic. The elementary cell parameters are as follows a = 14.59 Å, b = 13.31 Å, c = 2.67 Å for Na0.5Mn0.25Ti2 (PO4)3, and a = 14.60 Å, b = 13.31 Å, c = 2.67Å for Na0.5Ni0.25Ti2 (PO4)3. Z = 4 and the space group is Pmmm.

We have the approval of the coauthors for the submission of the manuscript and this work is original, has not been published elsewhere before and is not considered for publication elsewhere.

Thank you for your consideration sincerely

El Mehdi MAJDI