

# Review of: "[Review] Contemporary Physical Methods in Studies of Lipid Phase Polymorphism"

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The review aims at identifying and discuss the main physical methods employed for studying the well-known polymorphisms in non-membrane lipids. I appreciate the efforts of the authors, however I believe that the review is not very comprehensive. Although I think that is almost impossible discuss in details about all methods, in this case the authors have chosen few selected physical approaches. Talking about my area of expertise, which is optical spectroscopy, there is a huge gap about the use of polarity/viscosity/order fluorescence probes. For instance, these optical techniques represent powerful and non-destructive tools that are routinely used for physical characterisation.