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Referee report for the PhD. Thesis submitted by Pavla Eliášová

PhD. Thesis by Pavla Eliášová is based on five excellent papers that have been published under her co-authorship dealing with the synthesis and catalytic evaluation of new porous silicate materials as their major themes. These articles give examples of a unique and novel approach to the synthesis of new zeolite materials via a disassembly–modification–re-assembly protocol based on selective removal of germanium centers from germanosilicates, which was recently developed in the author's home laboratory. The referee finds it easy to evaluate this Thesis because all the papers appeared in the top-class general chemistry journals such as Nature Chemistry and The Journal of the American Chemical Society as well as in prestigious specialized journals (e.g., The Chemistry of Materials, The Journal of Material Chemistry) and therefore had to pass a rigorous scrutiny during the reviewing process. It is also worth noting that the articles included in the Thesis have been already frequently cited despite their relatively recent publication dates.

From a formal viewpoint, the Thesis has been carefully prepared, presenting a rather brief but adequate Introduction and Experimental part followed by a similarly condensed informative overview of the achieved results and their final summary. The amount of typing errors, missing information and awkward formulations does not exceed that usually encountered in texts of similar type. What I miss, however, is a clear declaration of the contribution of the candidate to the work presented in the papers included in the Thesis, which are all multi-author ones owing to their obvious multidisciplinary nature. This issue has to be clarified during the following processing of the Thesis.

In summary, the Thesis submitted by Pavla Eliášová is of outstanding quality and I gladly recommend its acceptance for a further evaluation, wishing the candidate all good luck.