



**BADAN PENGKAJIAN DAN PENERAPAN TEKNOLOGI**  
**PUSAT TEKNOLOGI MATERIAL**

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Tangerang Selatan, 8<sup>th</sup> June 2015

**To: Prof. Sara Snogerup Linse,**  
Chairman of Nobel Committee for Chemistry at  
The Royal Swedish Academy of Sciences,  
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**Subject : Nominating Dmitry V.Schur, Svetlana Yu.Zaginaichenko,**  
T. NejatVeziroglu for the Nobel Prize of 2016 in Chemistry

Dear Professor Linse,

I am pleased to convey to You the nomination of Dmitry V.Schur, Svetlana Yu.Zaginaichenko and T.Nejat Veziroglu for the Nobel Prize in Chemistry and send You this letter of recommendation. The surprising thing is that chemists from different countries as Ukraine and USA, working so far from each other, have received in collaboration the unique scientific results in studying nanostructure materials and published the paper "The hydrogenation process as a method of investigation of fullerene C<sub>60</sub>molecule" in International Journal of Hydrogen Energy, 2015, Vol.40, № 6, P.2742-2762.

The urgency of subject matter of this work is confirmed by the great interest of world scientists to this area of research.

The indisputable value of obtained profoundly scientific information lies in the fact that in a complex this information allows you to discover the special nature of the physico-chemical effects of the behavior of C<sub>60</sub> molecule in various aggregative states (extremality of solubility, polymerization, depolymerization, tautomerism, color of solutions, salting-out, molecular and phase transitions, etc.).

In planning the experiments of any level of complexity these authors are well-known with results of previous researches in the theory of synthesis, structure-formation, separation, crystallization of fullerenes, and therefore their results differ only slightly from those obtained previously by other researchers, and, moreover, constitute a new wealth of information and evidence at this time of investigations for the next theoretical and practical introductions.

It should be particularly pointed out that all data, obtained during the research work, have been very fully described in monographs and articles published in international professional journals, have high levels of citation and have proper approbation at international conferences.

From study of paperit may be concluded that the work is the complete scientific work.It is the weighty contribution to the theory and practice of modern materials science, material science of carbon-containing materials of the future.

I am sure that by the relevance, scientific quality, originality of obtained results and their practical value, these authors deserve a Nobel Prize in Chemistry next year.

Cordially Yours,



Dr. Eng. Eniya Listiani Dewi, B.Eng., M.Eng.

Director of Center for Materials Technology, Deputy of Technology Information, Energy and Materials, The Agency for the Assessment and Application of Technology (BPPT)

Board Director of International Association of Hydrogen Energy (IAHE)

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