



Subj.: **Statement of Supervisor about access to Dissertation Thesis and about scientific activity of Mr. Qi Long YAN, M.Sc.**

- 1) Mr. Qi Long YAN (*born in 1983*) was accepted by our Institute of Energetic Materials in October 2011 as a Ph.D. student whose topic of dissertation is "Thermal Analysis of Energetic Materials". Mr. YAN came from Xi'an Modern Chemistry Research Institute. He has familiarized quickly with young members of the Institute and he very quickly began to reach practical results from his work on the dissertation topic. In this activity closely cooperates with me and in some cases also with our other Ph.D. students and scientific workers (*including the foreign scientists*).
- 2) Mr. YAN's academic potential might be given by his publication activity and its public acceptance. He came to us with the 11 co-authored papers. Now I have found in SciFinder his 40 co-authored papers in the International and Chinese journals and Conferences, in 20 out of them he is the first author. According to the Scopus base, the 37 papers by Mr. YAN et al. are listed there, to which correspond *h-index* of 5 without self-citations (*he is the chief author here in the 19 cases*). Similarly from the ISI base his *h-index* of 5 is possible to find. He has received award for the second best lecture at the 17th Int. Seminar NTREM (2014 – <http://www.ntrem.com>).
- 3) Our common publications are coherent with his position in our Institute: we have together 17 common publications, listed in the Scopus base. I must state that publication activity of Mr. YAN appreciably increased publication activity of our Institute in general. Topics of these papers include initiation reactivity of energetic materials, mainly thermal reactivity energetic materials bonded by polymeric matrices. These said facts show that he is very active in the formulization, investigation and solving of the scientific problems with high ability to publish attained results.
- 4) Between priorities of Mr. YAN belong his decisiveness, organizational and communication skills, independence in his scientific activity. He does not have any problems with quick adaption to different cultural milieu (*I had possibility to see it in: the case of Czechland, Spain, Egypt*) and different instrumental laboratories. His answerable approach to intensive scientific work, his working habits and friendly nature do from him an excellent candidate for Humboldt-foundation grant project.
- 5) In the framework of Erasmus program 2013/2014 (ERA-MOB-2013-16) Mr. YAN has passed four month internship (Nov. 2013-Feb.2014) at the University of Seville, here under leadership of Prof. Dr. Luis A. Perez Maqueda from Instituto de Ciencia de Materiales de Sevilla. It was shown again here that Mr. Yan is very good in the thermal analysis, kinetic procedures and modelling.
- 6) Mr. YAN was originally engaged mainly in the thermal reactivity and combustion of propellants. In framework of his Ph.D. study he is focused on initiation reactivity of energetic materials, mainly in thermal reactivity, partially also in impact sensitivity and physical stability of these materials. He is very good in the thermal analysis, kinetic procedures and modelling.

On the basis of the above-mentioned facts I recommend the dissertation thesis of Mr. Qi Long YAN, M.Sc. for defence examination.

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