



March 26th, 2024

Subj.: **Supervisor's opinion on Ph.D. student, Mr. Veerabhadragouda B. Patil, M.Sc.**

Mr. Veerabhadragouda B. Patil, M.Sc. (born in 1990), was accepted by our Institute of Energetic Materials in January 2020 as a Ph.D. student on the basis of a requisite selection procedure. He is a graduate of the Department of Chemistry, Karnatak University, Dharwad, India. Ph.D. study appointed on the subject "*Achieving balanced cocrystals of energetic materials via coagglomeration and their application*".

He has familiarized himself quickly with young members of the Institute, and he very quickly began to reach practical results from his work on the dissertation topic. This actively cooperated with me and, in some cases, with our other Ph.D. students and scientific workers (including foreign scientists, mainly from Poland). His studies were very adversely affected by the COVID pandemic, for which our Faculty was closed to students for ten months in 2020-21. Mr. Patil has used this time for passing exams, participating in several Webinars related to the topic of his thesis, and, together with colleagues from his home departments at Gulbarga University and KLE Technological University, he has online finalized and published the results, of the research work they obtained together before starting off his Ph.D. studies at the University of Pardubice. He was very active, in evaluating Ph.D. students at our Faculty for the academic years 2020-24, out of 140 Ph.D. students at our Faculty, he ranked among the top five.

Mr. Patil's academic potential can be determined by his publication activity and its public acceptance. In Scopus Base I have found 38 of his published papers (from 2020) in international peer-reviewed journals, most of them in quartiles Q1 and Q2, with 318 citations without auto citations and an h-index of 13. There has always been interest in his presentations at international conferences. At the 24th Int. NTREM Seminar, he won the best poster award, and at the 14th International High Energy Materials Conference & Exhibit (HMEMCE 2024), India, he won the best oral presentation award. He actively participated in two international Erasmus+ internships (IOP Warsaw, Poland and LMU Munich, Germany) and received acclaim from both supervisors. Also, during his PhD tenure, he successfully fulfilled the criteria and joined various scientific societies, viz., American Chemical Society (ACS), Member of Royal Society of Chemistry (MRSC) and Member of German Chemical Society (GDCh) and holds a lifetime membership of Chromatography Society of India (CSI).

From the point of view of a successful passing of his Doctoral State Exam (on 15th June 2023) and excellent publishing activities, Mr. Veerabhadragouda B. Patil, M.Sc. meets the requirements for the defense of his thesis. Therefore, as I am his supervisor, I strongly recommend this defense.

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