



Wyniki oceny śródkresowej w Szkole Doktorskiej Politechniki Wroclawskiej dla doktorantów którzy rozpoczęli kształcenie w dniu 28.02.2022 r.

Dyscyplina inżynieria chemiczna

Jennifer Michellin Kiruba Nester

Wynik oceny: POZYTYWNY

Uzasadnienie oceny:

The doctoral student gave a concise presentation within 15 minutes, in which she described the research topic, the purpose and scope of the research, the results achieved in the assessed period, research plans and scientific achievements. The doctoral student defined the research problem, the possibilities of solving it and pointed out the novelty of the methodology used. She moves very efficiently in her research topics and understands the presented issues. The doctoral student presented a huge number of research results.

A review of the current literature regarding the doctoral dissertation was published in the International Journal of Molecular Sciences, in which the PhD student is the first author. The article describing the obtained research results is under review. The doctoral student also presented a poster during the 4th International Conference on Bioresource Technology for Bioenergy, Bioproducts & Environmental Sustainability 2023 (Lake Garda, Italy). She is a contractor in a project financed by the National Science Center - Preludium Bis 2. An internship at the Cyprus University of Technology (CUT), Greece is planned in the near future.

During the meeting, it was pointed out that it was necessary to present only the most important results in a systematic way, referring to the Individual Research plan. There were a few language/editing errors in the presentation. The original contribution of the research to the development of the scientific discipline of chemical engineering should also be clearly emphasized. The committee also recommends clearly marking the number of repetitions performed and presenting the results as the average and standard deviation. Assessing the overall research and scientific activity of the PhD student and the applied nature of the doctoral thesis, the Committee made a positive assessment of the activity so far.

Dyscyplina inżynieria lądowa, geodezja i transport

Ajibola Rasaq Lawal

Wynik oceny: POZYTYWNY

Uzasadnienie oceny:

Mr. Ajibola Lawal is performing a doctoral dissertation on the subject of: "Biochemical processes in soil reinforcement" in the scientific discipline of Civil engineering, geodesy and transport. It should be stated that subject of dissertation should be improved. Nowadays it is suggested that student provides research on biochemical processes in fibres used for soil



improvement, which is not true. The work is carried out under the guidance of the supervisor: assoc. prof. Janusz Kozubal from Wrocław University of Science and Technology, and assistant supervisor: dr. Matylda Tankiewicz, from Wrocław University of Environmental and Life Sciences. Based on IRP and information obtained during student's presentation, the doctoral research is prepared according to the research plan. The student prepared a literature review concerning a theoretical framework and a state-of-the-art of the soil biocementation and fibres used for soil improvement. The basic physical and chemical properties of the tested soil were done. Compaction tests for soil with fibre addition were done too. After a discussion it can be stated that soil was properly chosen to the planned tests. One may wonder whether the planned percentage of fiber reinforcement is too high.

The hypotheses and research problems are well formulated. The IRP is detailed and includes the activities necessary to complete the scope of the doctoral thesis. The test methods are suitable for the planned research and the expected results, and the test results obtained so far are in line with the aim of the work and the research plan. The plan is very intensive in future semesters, so it will require exhaustive work in the laboratory.

The research tasks planned in the IRP are international in nature, this scientific subject is undertaken all over the world, but in student's plan there are original elements. Student is a co-author of two papers in the WoS ranking journals, but they are loosely connected with the thesis subject. Now, he is preparing a conference report closely connected with the topic of a doctoral thesis.

The above statements justify the positive assessment of Mr. Ajibola Lawal's mid-term evaluation of the IRP implementation.

Dyscyplina nauki chemiczne

Abdulla Al. Mamun

Wynik oceny: POZYTYWNY

Uzasadnienie oceny:

The committee conducted a full analysis of the documentation related to the Individual Research Plan of Abdulla Al. Mamun, as part of his doctoral thesis entitled "Dissecting proteolytic fingerprint in cancer using metal-tagged protease probes and mass cytometry". The tasks planned for the first 3 semesters have been completed 100%, while those for the fourth semester are in progress. The PhD student is a co-author of 4 publications published in good scientific journals, which, however, are not related to the PhD thesis. The doctoral student presented his results at an international conference in the form of an oral presentation. He is involved in the implementation of the GRIEG research grant. The committee also heard a detailed, very well prepared, 15-minute presentation. During the presentation, the PhD student competently and clearly presented both the goal and progress of the work as well as substantive problems related in the implementation of the planned research. The presented results indicate a significant workload of the PhD student in implementing the assumed research plan and a very good understanding of the subject of the research. The doctoral student also convincingly answered the questions asked by the Committee. On this basis, after an in-depth discussion, it was concluded that the basic substantive objectives of the IPB are being properly implemented. The high degree of



difficulty of the research carried out was also emphasized. The Commission made a unanimous decision to issue a positive assessment of the progress of the IPB implementation.