

Závěrečná zpráva o řešení projektu za rok 2023



Programový projekt **AKTION**

AKTION Česká republika - Rakousko

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Partnerská země:	Rakousko
Číslo projektu:	95p7
<i>Název projektu:</i> 11. bilaterální česko-rakouský odborný seminář: Nové trendy ve foto a elektro katalýze	
<i>Project title:</i> 11th bilateral Czech-Austrian scientific workshop: New trends in photo and electro catalysis	
Řešitel projektu v ČR: Prof. Dr. Ing. Josef Krýsa	Řešitel v partnerské zemi: Assoc. Prof. Dr. Guenter Fafilek

Dosažené výsledky – plnění cílů projektu (the project results):

The 11th Czech - Austrian workshop „New trends in application of photo and electro photocatalysis“ was a successful continuation of the conference series organized jointly by University of Chemistry and Technology, Prague and Vienna University of Technology.

The Workshop program was finalized before the start of the workshop in cooperation with partner institutions in Austria (**enclosed as Annex I**). Workshop was held 3 days from 17th May– 19th May 2023 in Hnanice (Czech Republic). The planned number of participants from Austria was 11 and from Czech Republic 29. Finally, there were less attendees of the workshop than planned regarding the project proposal – 2 AT and 29 CZ. The others listed in the Annex I, they paid the full cost as they were from other countries, their attendance was not covered by the AKTION programme.

The topic of the workshop was focused to the recent advances of photoelectrocatalysis and electrochemistry in respect to their application in environment cleaning and alternative energy production. The workshop was attended by new undergraduate and PhD students enrolled at UCT Prague in 2022.

It is possible to say that similarly as the previous workshop also the 11th workshop represented all positive aspects of a small specialised international conference. Participants were from **six Czech institutions**: University of Chemistry and Technology, Prague, Jaroslav Heyrovsky Institute of Physical Chemistry, ASCR, Faculty of Chemical Technology, Technical University Brno, University of Pardubice, Institute of Physics AS CR, Technical University Ostrava and from Austrian institutions Vienna University of Technology. Beside mentioned institutions, there were 2 participants from Slovak University of Technology in Bratislava and 4 participants from Slovenia National Institute of Chemistry.

The objective of the workshop was to further intensify the exchange of experience and new ideas in the field of semiconductor photocatalysis, EPR spectroscopy, dye-sensitised solar cells, electrochemically prepared self-organised structures, AOP for water treatment, fuel cells, electrochemical engineering and modelling of electrochemical processes. Workshop was especially useful for students, for most of them it was one of the first opportunities to present

their results at the international forum. All contributions were well accepted and appreciated, and the discussions among the participants were found beneficial.

The preliminary Workshop program was sent to all the participants in April 2023. Participants were asked to send their contributions in April 2023. Finally, 29 contributions of presenting authors to Proceedings were received. First of all, the submitted abstracts of presentations were edited from a scientific point of view, then the language of all the abstracts has been checked. The final correction of the proceedings was done jointly by the Workshop chairman (Josef Krýsa) and by the Austrian partner (Guenter Fafilek).

Financial requirements in the Czech Republic- 2023

The number of participants of the 11th workshop funded by the Aktion programme was 31. The others listed in Annex I were not from the Czech Republic or Austria and thus they were not calculated below.

In the framework of the project, costs were requested for students (MSc. and PhD.) and also for academic teachers and young researchers with a PhD. On the Austrian side costs for 2 academic teachers and young researchers are requested. On the Czech side costs for 9 students, 18 academic teachers and researchers were calculated. In total, the costs for 2 Austrian participants and 29 Czech participants are requested.

Cost connected with the holding of the 11th workshop in 2023

i) Accommodation for 31 participants:

2 nights academic (19 researchers) – 2000 CZK /day	76.000 CZK
2 nights student (12 students) - 1500 CZK/day	36.000 CZK
<u>Total accommodation cost</u>	<u>112.000 CZK</u>

ii) Subsistence allowance:

Austrian participants –2 teachers and researchers, 3 days, 784 CZK /day 4.704 CZK

Czech participants –19 students and teachers (UCT Prague), 3 days, 284 CZK /day 16.188 CZK

10 academic participants from Czech Republic, 3 days, 400 CZK /day 12.000 CZK

Total subsistence cost: **32.892 CZK**

iii) rent of the conference room – 10.000 CZK /day 20.000 CZK

overheads/ administration of the project / 6.000 CZK

Total other cost **26.000 CZK**

Total cost (2023) = 112.000 + 32.892 +26.000 = 170.892 CZK