



Gamal Mohamed Zain Ahmed

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● WORK EXPERIENCE

01/09/2022 – CURRENT Bratislava, Slovakia

POSTDOCTORAL RESEARCHER POLYMER INSTITUTE, SLOVAK ACADEMY OF SCIENCES

Focus on polymer synthesis and characterization

14/09/2018 – 31/08/2022 Bratislava, Slovakia

PHD CANDIDATE POLYMER INSTITUTE, SLOVAK ACADEMY OF SCIENCES

During my PhD study I was responsible on my PhD project which was focused about photochemically controlled radical polymerization of vinyl monomers. I was conducting all lab experiments and characterization analysis related to my project. In addition to lab work, I was preparing periodically reports and writing manuscripts as well. I was also a principle investigator for a project funded from Slovak Academy of Sciences. I was also active in participation on international and domestic conferences.

16/06/2022 – 17/07/2022 Lyon, France

INTERNSHIP HOLDER LAB OF POLYMER MATERIALS, INSA LYON

15/07/2021 – 15/12/2021 Vienna, Austria

INTERNSHIP HOLDER APPLIED SYNTHETIC CHEMISTRY DEPARTMENT, VIENNA TECHNICAL UNIVERSITY

01/04/2021 – 30/04/2021 Skopje, North Macedonia

INTERNSHIP HOLDER FACULTY OF TECHNOLOGY AND METALLURGY, SS. CYRIL AND METHODIUS UNIVERSITY OF SKOPJE

I was cooperating with Prof. Igor Jordanov for a a research point about preparation of flame retardant cotton fabric. I was able there in his lab to conduct many lab experiment and flammability analyses. This internship was funded by Cost action (Context). During that time I was also working on writing manuscripts and report.

12/12/2012 – 09/11/2018 Cairo, Egypt

RESEARCH CHEMIST NATIONAL RESEARCH CENTRE

I was working on a project for production of hydrogels for agricultural purposes. This work was based on using carbohydrate derivatives and synthetic vinyl monomers for production of a superabsorbent hydrogel. I was responsible for performing the lab experiments and analyses for this project. My Master thesis was based on this project where the idea was to improve the hydrogel properties to be able to absorb the saline water. Durin that occupation time I was also cooperating with my supervisor for many other project where I was responsible to conduct the lab experiments and analyses. In addition, I was responsible on writing reports, proposals and manuscripts.

● EDUCATION AND TRAINING

14/09/2018 – 31/08/2022 Bratislava, Slovakia

PHD Faculty of Chemical and food Technologies, Slovak University of Technology in Bratislava (STU)

Address Vazovova 5, Bratislava, 9, Bratislava, Slovakia | **Website** https://www.stuba.sk/english.html?page_id=132

01/09/2014 – 25/05/2018 Cairo, Egypt

MASTER Faculty of Sciences, Cairo University

Address Cairo, Egypt | **Website** <https://cu.edu.eg/Home>

01/09/2006 – 20/05/2011

BACHELOR Faculty of Sciences, Beni-Suef University

Website <https://www.bsu.edu.eg/home.aspx?lang=en>

● LANGUAGE SKILLS

Mother tongue(s): **ARABIC**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	B2	C2	B2	B2	B2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

● DIGITAL SKILLS

Microsoft Office | Microsoft Excel | Microsoft Powerpoint | Zoom | Skype | Google Drive | Facebook | Outlook | Google Docs | Team-work oriented | Internet user | LinkedIn

● ADDITIONAL INFORMATION

PUBLICATIONS

[Flame-Retardancy Finishing of Cotton Fabric by Surface-Initiated Photochemically Induced Atom Transfer Radical Polymerization](#)

– 2022

Under Review in Cellulose Journal. Impact Factor 6.123

[Antibacterial cotton fabric prepared by surface-initiated photochemically induced atom transfer radical polymerization of 2-\(dimethylamino\)ethyl methacrylate with subsequent quaternization](#)

– 2021

[Oxygen-Tolerant Photochemically Induced Atom Transfer Radical Polymerization of the Renewable Monomer Tulipalin A](#)

– 2019

[Superabsorbent hydrogel based on sulfonated-starch for improving water and saline absorbency](#) – 2018

[Starch Derivatives Bearing Aromatic Sulfonated Functional Groups](#) – 2018

NETWORKS AND MEMBERSHIPS

05/11/2019 – 04/11/2023 Portugal

Fur4Sustain Cost action-CA18220 Member

Context Cost actiuon - CA17107 It is a European network to connect research and innovation efforts on advanced smart textiles

CONFERENCES AND SEMINARS

25/03/2019 – 28/03/2019 – Oščadnica, Slovakia

8th Bratislava Young Polymer Scientists conference (BYPOS) In this conference, I present my work in form of an oral presentation. I was lucky to be awarded the 3rd place of the competition of the best presentation.

28/06/2019 – 29/06/2019 – Prague, Czech Republic

Career in Polymers XI This was a workshop for young scientists and PhD students. I was able to present my PhD work in an oral talk.

27/10/2019 – 30/10/2019 – Lodz, Poland

International Conference on Precisely Structured Polymer Materials (PSPM 2019) In this conference I also participated in a form of oral presentation about my PhD work. I was lucky to get the award of the conference which was participation without registration fees.

11/10/2020 – 15/10/2020 – Blankenberge, Belgium

CHEMISTRY CONFERENCE FOR YOUNG SCIENTISTS This was very big conference for young scientists. I participated with an oral presentation about my PhD work.

05/10/2020 – 08/10/2020 – Bratislava, Slovakia

XI. Slovensko - Česká konferencia POLYMÉRY 2020 This conference was online Conference. I have an oral presentation.

16/05/2021 – 20/05/2021 – Jeju Island, South Korea

48TH WORLD POLYMER CONGRESS – MACRO2020+ I have participate in this conference online via recorded oral presentation.

15/06/2021 – 17/06/2021 – Vienna, Austria

Virtual European Symposium of Photopolymer Sciences I have participate in this symposium online via recorded oral presentation.

06/06/2020 – 09/06/2020 – Prague, Czech Republic

72. Zjazd chemikou In this conference, I present my work in form of an oral presentation

16/03/2022 – 16/03/2022 – Zabrze, Poland

POLYMAT 2022-Polymer Meeting In this conference, I present my work in form of poster.

13/06/2022 – 16/06/2022 – Bordeaux, France

Bordeaux Polymer Conference 2022 In this conference, I present my work in form of poster.

PROJECTS

01/07/2020 – 30/06/2024

ADVANCED OXYGEN TOLERANT PHOTOCHEMICALLY INDUCED ATOM TRANSFER RADICAL POLYMERIZATION. APVV project. Principal Investigator: Mgr. Jaroslav Mosnáček DrSc.

01/01/2020 – 31/12/2024

POLYMERS AND POLYMERIC MATERIALS WITH ADDED VALUE FROM RENEWABLE RESOURCES. VEGA project. Principal Investigator : Mgr. Martin Danko PhD

01/01/2020 – 31/12/2023

UTILIZATION OF CONTROLLED POLYMERIZATIONS IN THE PREPARATION OF NANO-PARTICLES AND COMPOSITES. VEGA project, Principal Investigator: RNDr. Dmitrij Bondarev PhD

01/01/2020 – 31/12/2020

Multifunctional Cellulosic Fabric Prepared by SI-PhotoATRP Principal Investigator of a DoktoGrant Project No. APP0073. - Financed by Slovak Academy of Sciences.

01/01/2013 – 31/12/2016

Innovative Hydrogels Based on Carbohydrates to Improve Efficiency of Water-Use for Agricultural Purposes (Sandy-Lands Reclamation) Member at project No. 4226, financed by STDF, Egypt.

HONOURS AND AWARDS

28/03/2019

3rd place in best presentation competition in 8th Bratislava Young Polymer Scientists conference (BYPOS) – Conference scientific committee

15/12/2019

3rd place in best publication competition – Institute of Polymers, SAS

15/12/2021

1st place in best publication competition – Institute of Polymers, SAS

20/05/2022

2nd place in young scientists competition under 35 years – Slovak Academy of Sciences

SUMMER TRAINING SCHOOLS

14/06/2021 – 17/06/2021

1th Fur4Sustain Training School

It was a training school about *Polymer Characterization*. It was held in Nice, France.

10/05/2021 – 12/05/2021

Virtual 10th EPF Summer School

It was online training school about *Polymers and Circular Economy*.

09/06/2020 – 15/06/2020

International Research Interdisciplinary Schools (IRIS)

this school was organized Premedix Academy, it was held in Slovakia

27/03/2022 – 31/03/2022

1st CARLiS spring school

this school was organized by different organization in Slovakia in cooperation with some Austrian Universities. it was about *Career in Life Science*.

25/07/2022 – 28/07/2022

2nd Fur4Sustain Training School

It was a training school about *Polymers and Sustainability*. It was held in Aviero, Portugal.

GRANTS AND SCHOLARSHIPS

01/01/2020 – 31/12/2020

DoktoGrant

A grant funded by Slovak Academy of Sciences.

01/04/2021 – 30/04/2021

Short Term Scientific Missions (STSM)

Funded by Context action.

16/07/2021 – 15/12/2021

ERNST MACH SCHOLARSHIPS EVENTS AUSTRIA - SLOVAKIA FOR PHD STUDENTS (SK TO AT)

it was in TU Wien.

16/06/2021 – 15/07/2022

French Institute scholarship for PhD students

It was in INSA Lyon, France