

Pusta Jalalova

Egyetemváros, Miskolc, Hungary, H-3515

pustecalalova@gmail.com • (+36) 308946786

EDUCATION

University of Miskolc Miskolc, Hungary
PhD, Mechanical Engineering Sept. 2021 – June 2025

University of Miskolc Miskolc, Hungary
MSc, Mechanical Engineering, CAD/CAM specialization Sept. 2019 – June 2021

- Thesis title: “*Tribological investigation of tool steel with advanced superhard coatings*”
- Supervisor: *Dr. Marosné Berkes Mária*
- GPA: 4.63/5

Khazar University Baku, Azerbaijan
BSc, Mechanical Engineering Sept. 2015 – July 2019

- GPA: 83/100

INDUSTRIAL EXPERIENCE

IDRAK Technology Transfer Baku, Azerbaijan
Mechanical Engineering Intern March 2019 – June 2019

- Used mechanical design software to develop 3D models and drawings of new products.
- Analyzing and testing to verify new designs, methods, materials, and processes.
- Identified solutions to improve production efficiency.

Sumgait Technologies Park Sumgait, Azerbaijan
Mechanical Engineering Intern July 2018 – Sept. 2018

- Learned measuring instrument types (vernier calliper, fractional calliper, micrometer screw gauge).
- Stress, strain and fatigue failure calculations/analysis.
- Learned 3D modelling techniques in SolidWorks.

PUBLICATIONS & CONFERENCES

Publications:

- L. P. Kiss, **P. Jalalova**, and Z. Mehdiyev. The planar buckling of pinned-fixed shallow arches. *Journal of Theoretical and Applied Mechanics*, Sofia, Vol.51 (2021) pp. 437-451.
- **P. Jalalova**, F. Fülöp and M.B. Maros. Investigation of scratch behaviour of advanced TiAlN and CrAlN hard coatings on X153CrMoV12 cold work tool steel. *Jármai, K., & Bolló, B. (Eds.). (2022). Vehicle and Automotive Engineering 4. Springer International Publishing. (Under review)*

- L. P. Kiss, Z. Mehdiyev, and **P. Jalalova**. Deformations and Internal Forces in Arches under a Concentrated Force. (Under review)

Conferences:

Scientific Student Conference (TDK)

Participation in the Scientific Student Conference (TDK) at the University of Miskolc with our two research works in April 2021:

- "Non-Linear Stability Studies of Shallow Arches"
- "Deformations and Internal Forces in Arches under a Concentrated Force"

SKILLS & INTERESTS

Computer Skills:

- Microsoft Office
- AutoCAD 2D Design
- SolidWorks and Siemens NX 3D CAD Modelling Software Proficiency.
- Proficiency using ANSYS FEA Software to analyze.

Language Skills:

- Azerbaijani (Native or bilingual proficiency)
- Turkish (Full professional proficiency)
- English (Full professional proficiency)

Interests: Passionate in Reading, Travelling, Playing Jigsaw Puzzles

REFERENCES

Prof. Dr. Maria Maros Berkes

Full professor

University of Miskolc

Egyetemváros

Miskolc, Hungary H-3515

maria.maros@uni-miskolc.hu

Prof. Dr. Csaba Felhő

Associate professor

University of Miskolc

Egyetemváros

Miskolc, Hungary H-3515

csaba.felho@uni-miskolc.hu

Prof. Dr. Mehdi Kiyasatfar

Assistant professor

Khazar University

122 Bashir Safaroglu St.

Baku, Azerbaijan AZ1009

mkiyasatfar@khazar.org