

## Lect. Esmira Mustafayeva

### Personal Information

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### International Researcher IDs

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Publons / Web Of Science ResearcherID: GMM-2839-2022

ScopusID: 57223961487

### Education Information

Doctorate, Bakü Devlet Üniversitesi, Mexanika riyaziyyat, Nəzəri mexanika və bütöv mühit mexanikası, Azerbaijan 2011 - 2014

Undergraduate Double Major, Bakü Devlet Üniversitesi, MEXANİKA RİYAZİYYAT, Nəzəri mexanika və bütöv mühit mexanikası, Azerbaijan 2009 - 2011

Undergraduate, Bakü Devlet Üniversitesi, MEXANİKA RİYAZİYYAT, Nəzəri mexanika və bütöv mühit mexanikası, Azerbaijan 2005 - 2009

### Foreign Languages

English, A2 Elementary

Russian, C2 Mastery

### Published journal articles indexed by SCI, SSCI, and AHCI

- I. **An investigation of the stability of polymer compositions at constant electric field**  
Aliyeva I. K., Aliyeva E. R., Mustafayeva E., Karimova N., Rahimova K. E.  
INTERNATIONAL JOURNAL OF MODERN PHYSICS B, 2024 (SCI-Expanded)
- II. **Mechanics of surface deformations in rigid bodies**  
Ismayilzada M., Mustafayeva E., Makhmudova N., Rahimova K.  
IRONMAKING & STEELMAKING, 2024 (SCI-Expanded)
- III. **Thermophysical Properties PP/ZrO<sub>2</sub> Nanocomposites Before and After Electrothermal Polarization**  
Ibrahimova H. S., Rzayev R. M., Mustafayeva E.  
JOURNAL OF INORGANIC AND ORGANOMETALLIC POLYMERS AND MATERIALS, 2024 (SCI-Expanded)
- IV. **Change of thermophysical parameters of polypropylene-metal oxide nanocomposite (polypropylene + ZrO<sub>2</sub>) after electric field influence**  
Ibrahimova H. S., Shirinova H. A., Rzayev R. M., Rahimova K. E., Mustafayeva E.  
POLYMERS & POLYMER COMPOSITES, vol.30, 2022 (SCI-Expanded)

### Articles Published in Other Journals

- I. **Scattering of the internally reinforced damaged pipe in a cylindrical form with active material**  
Mustafayeva E.  
Series of Physical-Technical and Mathematical Sciences, vol.38, pp.115-121, 2025 (Peer-Reviewed Journal)
- II. **PERSPECTIVE OF USING GROUNDWATER IN THE GANIKH-AYRICHAY FOOTHILLS**  
Mustafayeva E., Tagiyev A.  
Reliability: Theory and Applications, vol.18, no.Special Issue 5, pp.136-141, 2023 (Scopus)
- III. **MATHEMATICAL MODELING OF DAMAGE OF A CYLINDRICALLY ISOTROPIC THICK PIPE UNDER A COMPLEX STRESS STATE**  
Mustafayeva E., Karimova N., Rahimova K., Novruzova U., Ismayilzade M., Alirzayeva L.  
Global and Stochastic Analysis, vol.9, no.1, pp.47-55, 2022 (Scopus)
- IV. **Theoretical Study of the Grate-Sawtype Large-Litter Cleaner of the Mounted Type**  
Mustafayeva E., Vəliyev F., Cəfərov E., Səfərova T.  
EASTERN-EUROPEAN JOURNAL OF ENTERPRISE TECHNOLOGIES, vol.2, pp.74-84, 2021 (Scopus)
- V. **Development of a procedure for determination of damage to seeds and cotton fibers in cotton cleaning machines**  
Veliev F., Mustafayeva E., Mamontov A., Shevtsov V., Zinchenko S., Rud A.  
EUREKA, Physics and Engineering, vol.2021, no.4, pp.125-133, 2021 (Scopus)

## **Metrics**

Publication: 9

Citation (Scopus): 16

H-Index (Scopus): 3