Laboratory of Mathematical Problems of Signal Processing

Institute of Mathematics and Mechanics,

National Academy of Sciences of Azerbaijan

BRIEF REPORT ON SCIENTIFIC & ORGANIZATIONAL ACTIVITIES FOR THE 2021

In 2021 2 research works have been done in the field of "Application of modern mathematical methods to various identification problems" by the employees of the Laboratory of Mathematical Problems of Signal Processing.

There are 5 employees in the laboratory.

1. Sadigova Sabina - PhD, associate prof.

2. Zabidov Zakir - senior scientific researcher

3. Bagirli Gemer - senior lab. assistant

4. Jafarova Sabina - senior lab. assistant

5. Gadirova Xayala - lab. assistant

During the reporting period, the laboratory staff published 6 scientific articles (2 abroad) (TR-3, SCOPUS-3) and 5 theses (5 abroad)   in the proceedings of various international conferences.

PROGRAMMES and GRANTS		
1st Azeri-Russian International Grant Competition organized by the Science Development Foundation under the President of the Republic of Azerbaijan	Methods of the theory of functions in the theory of operators	Sabina Sadigova (participant)
A project within the framework of the joint cooperation programme between NAS of Azerbaijan and The Scientific and Technological Research Council of Turkey ((TÜBİTAK) (*agreed on 23.10.2019*)	Frame properties of the system of eigenfunctions of a second order discontinuous differential operator	Zakir Zabidov (participant) Sabina Sadigova (participant)

PEDAGOGICAL ACTIVITIES	
PhD, associate prof. Sabina Sadigova	Khazar University

Membership in organizing committees of international conferences	
PhD, associate prof. Sabina Sadigova	International Conference on Mathematical Advances and Applications (4-th ICOMAA2021), 2021, Istanbul, Turkey (online)

SOCIAL ACTIVITIES	
PhD, Associate Prof. Sabina Sadigova	• Member of the Council of Young Scientists and Specialists at the Institute of Mathematics and Mechanics, National Academy of Sciences of Azerbaijan; • Secretary of the Women's Council of the Institute of Mathematics and Mechanics of ANAS; • Member of Trade Union at the Institute of Mathematics and Mechanics, National Academy of Sciences of Azerbaijan; • Editorial Assistant of Azerbaijan Journal of Mathematics; • Executive Editor of Caspian Journal of Applied Mathematics, Ecology and Economics; • Editorial Assistant of Journal of Contemporary Applied Mathematics.

Head of the laboratory :   **PhD, Associate Prof. Sabina Sadigova**