

# SEMI-ANNUAL REPORT OF “WAVE DYNAMICS” DEPARTMENT FOR 2017

## Scientific activity

Researchers are conducted on the theme “Dynamics of continuum-contractive prismatic bodies and shells”. The department consists of 11 collaborators, including 10 research associates. 10 papers were submitted for publication, 5 papers were published, 3 papers were admitted for publication.

On the report period, one talk was given at the institute seminar. 18 scientific papers were submitted for publication. 5 papers, 3 abstracts were published, 5 of them on foreign journals.

Rassoulova N.B. works at the expert commission. Seyfullayev A.I. is engaged in thematic seminar at the dissertation council and was an opponent of one dissertation work.

Rustamova M.A., Mammadova G.A., are engaged in pedagogical activity.

Zamanov A.D. is a member of editorial board of impact factor journal of “Composite materials” published in Russian in Latvia and in English in the USA, a deputy editor – in – chief of international journal of “Mechanics and Machine-building journal” and “Applied and applied mechanics ”.

He has represented the paper “On some peculiarities of the influence of the fluid viscosity on the frequency response of a viscoelastic plate loaded with this fluid” (A.D.Zamanov, M.I.Ismayilov, S.D.Akperov) to the international congress (ASEM 17 World congress on Advances in International Engineering and Mechanics) to be held in Seoul city of Korea on 28 August-1 September, 2017.

Then paper is in publication in impact factor journal “Mechanics of Composite materials”. He is a vice-chairman of dissertation Council FD 02.061 at ASPU, a member of the editorial board of the international journal “Mechanics-machine building”, “Theoretical and Applied mechanics”, Proc. Of Pedagogical University, vice-chairman of “Tehsilde IKT” journal and “Azerbaijan mektebi” journal.

He has been chairman and vice-chairman of Organizing committee of 9 international and Republican Scientific Conferences.

On 17-19 may, 2017 was a participant at II Forum of higher education institutions of Russian Federation and Azerbaijan Republic.

At present he supervises two doctoral students (E.Agasiyev, G.Alekperova).

A.I.Seyfullayev's monograph "Some problems of mechanics of fracture of sandwich materials with cracks" was published.

A.I.Seyfullayev's doctor dissertation work "Problems of fracture mechanics and dynamics of inhomogeneous media" was submitted to HAC.

A.I.Seyfullayev, G.A.Mammadova, F.A.Seyfullayev participated at International Conference "Actual problems of modern natural sciences" devoted 94 years of H.Aliyev and held on 04-05 may, 2017 at Ganja State University. The abstract of papers of A.I.Seyfullayev, G.A.Mammadova "Studying natural vibration of ridge conical shell containing elastic hanged mass in an elastic medium" and F.A.Seyfullayev paper "Studying natural vibrations of an anisotropic cylindrical shell stiffened with ribs' with flowing fluid" were submitted to the Conference.

F.A.Seyfullayev was a member of organizing committee of this Conference.

F.A.Seyfullayev was a participant of grant competition "Simulation of macroeconomical stability under devaluation of national currency" of Science Development Foundation at Presidents of the Republic Azerbaijan in 2015.

Head of department

doct.ph.math.sci. Agalarov J.H.