REPORT
on scientific Journal of the Institute of Mathematics and Mechanics of Azerbaijan NAS – Transactions, issue Mechanics (series of physical-technical & mathematical sciences) for the 2017

During the reporting period, the first issue of the new Journal - Transactions of Azerbaijan National Academy of Sciences (issue Mechanics) (series of physical-technical and mathematical Sciences) was formed and printed.

Journal's website was created at www.transmech.imm.az (email - transactions@imm.az). Scientific articles submitted to the Journal posted on the web at http://transmech.imm.az/volumes/35/. The printed version of the Transactions (issue Mechanic) published in December 2017, the next issue of the AMEA Transactions - (38 (7), 2018) will be released in late of 2018.

In the 7th issue of the journal, Vol. 37, 2017 the following research papers was posted:

1. Honored scientists – professor Kerim Kerimov - 100 anniversary.
2. Jafar H. Agalarov, Guldasta A. Mamedova **Free fluctuations of the of the plates suspend in the various ways**
3. Natik K. Akhmedov, Gulnaz H. Shakhverdieva **Analysis of the second boundary value problem of elasticity theory for a small thickness inhomogeneous transversally-isotropic cone**
4. Khanlar M. Gamzaev **Determination of hydraulic characteristics of a pipeline for a non-stationary flow of viscous liquids**
5. Hatam H. Guliyev, Rashid J. Javanshir**,** Guler H. Hasanova **Deformation and elasticity parameters of the medium of the Earth's depth in izotropic approximation**
6. Fazile I. Jafarova **On the influence of the short- and open-circuit conditions on stability loss of the PZT/Metal/PZT sandwich circular plate-disc condition**
7. Magomed F. Mekhtiyev, N.I. Fomina, Laura F. Fatullayeva **Limit state of a cylindrical shell under the action of non-uniform external pressure**
8. Faik B. Nagiyev, Aynur I. Khudiyeva **Perturbations in stratified flow of viscous liquids**
9. Geylani M. Panahov · Parviz T. Museibli **The study of internal exposure on the fluid hydrodynamics**
10. Nazila B. Rasulova **A finite length rectangular bar under the action of axial impact forces**
11. Alizade I. Seyfullayev **To the problem of a number of cracks in composite materials with periodically curved layers**
12. Azizaga Kh. Shakhverdiev, Geylani M. Panakhov, Yusif M. Sevdimaliyev, Eldar M. Abbasov · **Gassy fluid flow in elastic-plastic deformable medium**
13. Tamilla Yu. Zeynalova **Determination of vibrations frequencies of a rectangular orthotropic plate with curved structures**