

## **Annual report of “International relations” department of IMM ANAS for 2018**

During the reporting period, the International Relations Department carried out its activities in order of the scientific and scientific-organizational plans of the Institute of Mathematics and Mechanics of the Azerbaijan National Academy of Sciences and International Relations Department of ANAS.

Within the framework of international events held by the National Academy of Sciences of Azerbaijan, the Department provided opportunities for the establishment and development of cooperation and international relations between academics and foreign science centers. During the reporting period, department has provided several competitions (grants) funded by the International Funds to the Institute researchers.

During the reporting period the leadership of the Institute and with a number of foreign scientific organizations and institutes have been established scientific-organizational relations with the support of the department. The following can be noted:

1. The agreement on scientific and technical cooperation between Institute of Mathematics and Mechanics of ANAS and Volga State University.

**Connection date** - February 16, 2017

**Signed** - Director of IMM, prof. Misir Mardanov and academician L.I. Sokolov.

2. The agreement on scientific and technical cooperation between Institute of Mathematics and Mechanics of ANAS and Siktivkar State University named after Pitirim Sorokin.

**Connection date** - October 20, 2017

**Signed** - Director of IMM, professor Misir Mardanov and prof. Olga Sotnikova

3. The agreement on scientific and technical cooperation between the Institute of Mathematics and Mechanics of ANAS and the North Federal University of Arkhangelsk named after M. Lomonosov.

**Connection date** - May 23, 2017

**Signed** - Director of IMM, professor Misir Mardanov.

4. The agreement on scientific and technical cooperation between ANAS Institute of Mathematics and Mechanics and Naberezhnye Chelny State Pedagogical University.

**Connection date** - October 20, 2017

**Signed** - Director of IMM, professor Misir Mardanov and professor A.A. Kaliakberova.

The information disseminated among the scientific staff of the Institute and helped to participate in a number of international scientific programs and competitions:

**1. The German Federal Ministry of Education and Research "Green Talents" competition for the year 2018.**

In the competition in the field of sustainable development may participate candidates who are currently studying at the Masters Degree/Doctorate Degree and in the last 3 years, who have obtained Master's degree in Master's/Philosophy and have excellent English language skills.

**2. UNESCO's curriculum.**

A scholarship program for researchers and professionals has been announced by the Omurboyu Learning Institute located in Hamburg, the UNESCO. During the selection of candidates, they will be given the opportunity to prepare their articles, research work, software tools, and policies, and the selected individuals will have the opportunity to conduct research and use the library at the Institute within one month.

**3. "Balzan Awards 2018" by the International Balzan Foundation.**

The award is intended for the following areas: Social Anthropology; Global History; Liquid Mechanics (Fluid Dynamics); Chemical Ecology.

Requirements for participation in the competition: the reasons for nomination and the list of important publications; bibliography, including important publications for candidates for social and humanitarian sciences; a list of 10-20 most important publications for candidates on technical and natural sciences; CV form, including the current position of the candidates, the main academic activity, date and place of birth, nationality, place of residence and address; new photo (high quality). Each Balzan Award is worth 750,000 Swedish francs. The winner will receive half of the prize, and the second half will be awarded for the research project involving young scientists. The research project will be approved by the Reward Committee.

**4. Tuba Academy Prizes - 2018.**

"Tuba Academy Prizes - 2018" was announced for the first time in 2015 as a sign of support for well-known and prominent scientists. TUBA ACADEMY PRIZES is awarded to prominent scholars in one of several fields of science every year:

- 1) Fundamental and engineering sciences;
- 2) Health and life sciences;
- 3) Public and humanitarian sciences.

The prize is awarded in each category, and one of the awards is given to scholars related to the scientific community of Turkey, scientists working in Turkey and / and or research on Turkey's study. TUBA ACADEMY AWARD is given to scholars who have original, advanced and new jobs in different fields of science. Candidates are nominated by scholars invited by TUBA members, academia and organizations, as well as other academics and candidates.

#### **5. Competition for the Prince of Austria Foundation of the Kingdom of Spain for 2018.**

For the Austrian Prince prize competition has been announced. The competition is held on the basis of arts, literature, communication and humanitarian sciences, social sciences, scientific and technical research (mathematics, astronomy and astrophysics, physics, chemistry, natural sciences, field technologies), international cooperation, and individuals, groups and individuals who have made significant contributions to the development of humanity. or to organizations.

The prize for the Austrian prize has been announced. The contest is held on the basis of arts, literature, communications and humanities, social sciences, scientific and technical research (mathematics, astronomy and astrophysics, physics, chemistry, natural sciences, field technologies), international cooperation and is a group of individuals who have contributed significantly to the development of humanity organizations.

Several foreign scientific centers and Universities delegations met with the leadership and staff of the Institute. On September 25, the delegation of the Bulgarian Academy of Sciences visited the Institute of Mathematics and Mechanics. The delegation included Vasil Nikolov, vice-chairman of the Belarusian Academy of Sciences, correspondent member of the enterprise, professor Evdokia Pasheva and deputy mayor of Sofia, doctor of philosophy on archeology Todor Chobanov.

On June 20, 2018, famous Chinese mathematician, director of Beijing International Center for Mathematical Studies, Professor Tian Gang and his delegation visited the Institute of Mathematics and Mechanics of ANAS. Professor

Tiang Gang said that the purpose of the visit was to get acquainted with the activities of the IFI and discuss future prospects of cooperation.

During the reporting period, scientists from the Institute of Mathematics and Mechanics participated in foreign conferences and symposiums, as well as a number of leading foreign science centers and universities:

**1. Panahov Geylani Minhac oğlu** - Correspondent member of ANAS, head of department, People's Republic of China, Beijing city 17.03.2018 - 05.04.2018; within the framework of a joint scientific and technical agreement, with the support of the inviting GCC Group Corp.

**2. Abbasov Eldar Mehdi oğlu** - Leading Researcher, Ph.D., 17.03.2018 - 05.04.2018; within the framework of a joint scientific and technical agreement, with the support of the inviting party.

**3. Guliyev Vagif Sabir oğlu** - Corresponding member of ANAS, deputy director on scientific affairs, 20.04.2018 - 04.05.2018; Proceedings of the Plenary Session at the International Conference in Rostov, Russian Federation.

**4. Bandaliyev Rovshan Aliphagha oğlu** - Doctor of physical and mathematical sciences, professor, 20.04.2018 - 04.05.2018; Participation in the International Conference in Rostov, Russian Federation.

**5. Bilalov Bilal Telman oğlu** - Correspondent member of ANAS, head of department, doctor of physical and mathematical sciences, professor, 02.05.2018 - 06.05.2018 Participation in the International Conference dedicated to the 90th anniversary of V. Ilyinski, Moscow, Russian Federation.

**6. Aliyev Soltan Ali oğlu** - Doctor of physical and mathematical sciences, professor, 06.05.2018 - 23.05.2018, Ukraine, Dnepr, joint scientific researches.

**7. Guliyev Abdulrahim Farman oğlu** - doctor of physico-mathematical sciences, professor, 10.05.2018 - 16.05.2018, Turkey, Istanbul, participation in international conference.

**8. Bilalov Bilal Telman oğlu** - Corresponding member of ANAS, head of department, doctor of physico-mathematical sciences, professor, 10.05.2018 - 16.05.2018, Turkey, Istanbul, Participation in International Conference.

**9. Aslanov Ramiz Mutallim oğlu** - Head of department; Russian Federation, Moscow 18.05.2018 - 29.05.2018. To participate in the international scientific conference.

**10. Babayev Ali Avaz oğlu** - Head of department; Russian Federation, Saint-Petersburg, 25.05.2018 - 03.06.2018. To participate in the international scientific conference.

11. **Guliyev Vagif Sabir oğlu** - Corresponding member of ANAS, deputy director for Scientific Affairs, 17.06. - 23.06.2018, Kyrgyzstan, Bishkek, Participation in the International Conference.

12. **Bandaliyev Rovshan Aliphagha oğlu** - Doctor of physical and mathematical sciences, professor, 03.09.2018 - 08.09.2018; Georgia, Batumi, International Conference.

13. **Ismayilov Vugar Elman oğlu** - Head of department, doctor of physical and mathematical sciences, professor, 07.09.2018 - 15.09.2018; Turkey.

14. **Guliyev Vagif Sabir oğlu** - Corresponding member of ANAS, deputy director for scientific affairs, 17.06. - 23.06.2018, Turkey, Kirsehir.

15. **Bilalov Bilal Telman oğlu** - Corresponding member of ANAS, head of department, doctor of physico-mathematical Sciences, professor, 30.09.2018 - 06.10.2018, Participation in International Conference in Ufa, Russian Federation.

16. **Aslanov Ramiz Mutallim oğlu** - 14.10.2018 - 28.10.2018, head of department; Russian Federation, Moscow, Kazan, Naberezhniye Chelny, International scientific conference.

Head of department,

PhD in Technical Sciences, docent

Eldar Abbasov