

Memories of Colleagues to the 90 - Anniversary from the Birthday

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ABSTRACT

In connection with the 90th anniversary of the birth of our colleagues who have died, prof. E.A. Jibladze, prof. D.I. Sikharulidze, prof. L.Kh. Shatashvili and acad. dr. A.M. Okudjava, a brief information about their scientific activities is presented.

In 2018, famous Georgian scientists Prof. E.A. Jibladze, Prof. D.I. Sikharulidze, Prof. L.Kh. Shatashvili and Academic Doctor A.M. Okudjava would have turned 90 years old. They have played a major role in the development of Georgian geophysical science in the Caucasus.



Eleonora JIBLADZE (1928-2005) - Doctor of Physics and Mathematics, Professor. In 1950 she graduated from the Faculty of Physics and Mathematics of Tbilisi State University. In 1951-1954 she was a postgraduate student at Institute of Geophysics, Georgian Academy of Sciences. In 1955 she successfully defended her thesis at Institute of Physics of the Earth, Moscow and defended the doctoral thesis in 1977. From 1955 until the end of her life E. Jibladze worked at the Department of Regional Seismology at Institute of Geophysics (she occupied the positions of senior, leading and chief scientist, head of department). At the beginning of her scientific activities she carried out initial processing of seismograms and the compilation of the summary bulletin on the earthquakes in the Caucasus region. The scientific interests of Eleonora Jibladze developed in two directions:

a quantitative assessment of seismic hazard and seismotectonic movements. Her works formed the basis for the study of seismic zoning and seismic danger of the Caucasus. She took part in the creation of a new seismic zoning methodology. She is the author of the seismic zoning map of the territory of Georgia, which is a regulatory document in the construction of civil and industrial facilities in our country. Prof. E. Jibladze is an author of about 100 scientific papers, including 6 monographs («Энергия землетрясений, сейсмический режим и сеймотектоническое движение Кавказа», Metsniereba, 1980, p. 225; «Дманисское землетрясение 2 января 1978 года», January 2. 1978, М. Nauka 1981, p. 173, co-authors: G.I. Murusidze, V.G. Papalashvili, O.D. Gotsadze, et al.; The Seismic Zoning Map of the USSR, scale 1: 1000 000, М., Nauka, 1984, p. 5, co-authors: M.M. Rubinstein, V.G. Papalashvili, I.V. Aivazishvili, O.Sh. Varazanashvili, O.D. Gotsadze, D.I. Sikharulidze; «Параванское землетрясение 13 мая 1986 года», М. Nauka, 1991, p. 128, co-authors: M.S. Ioseliani, O.D. Gotsadze, N.V. Kondorskaya, V.G. Papalashvili, et al.; «Сейсмический режим, сейсмическая опасность и сейсмические движения Кавказа», Institute of Geophysics of Georgian Academy of Sciences, 1995, p.113, co-authors: N.K. Butikashvili, N.S. Tsereteli). Six PhD theses have been defended under Prof. E. Jibladze's scientific guidance. She was awarded the Prize of Honour of Georgia.



David SIKHARULIDZE (1928-2011) - Doctor of Physical and Mathematical Sciences, Professor. In 1950 he graduated from the Faculty of Physics and Mathematics of Tbilisi State University. Since 1950 he worked at the Department of Seismology of Institute of Geophysics, Georgian Academy of Sciences. In 1960 he defended his candidate thesis and in 1979 defended the doctoral dissertation at Institute of Physics of the Earth, in Moscow. From 1970 to 2005 he headed the Department of Physics of Earthquake Foci at Institute of Geophysics. Prof. D.I. Sikharulidze laid the foundations, worked out and developed methods for surface seismic waves, with the help of which the radial and lateral heterogeneous structure of the earth's crust and upper mantle is studied, which is a completely new direction in seismology. In his doctoral thesis Prof. D.I. Sikharulidze

studied horizontal heterogeneities in the crust and upper mantle based on the study of reflected and refracted surface waves. Prof. D.I. Sikharulidze is an author of over 100 scientific papers, including four monographs. («Дисперсия волн Лява для трехслойной модели Земли», Metsniereba, 1969, p. 223, co-author: N.P. Tutberidze; «Строение Земли по поверхностным волнам», Metsniereba, 1978, p. 242s; «Строение, напряженно-деформированное состояние и условия сейсмичности литосферы Малого Кавказа», Metsniereba, 1983, p. 123, co-authors: N.P. Tutberidze, A.Kh. Bagramyan, P.O. Jijeishvili, B.Ts. Yeremyan, N.A. Nibladze, R.L. Shavishvili ; «Поверхностные волны в обратных задачах сейсмологии», Yerevan, Academy of Sciences of Armenia, 1987, p. 222, co-authors: N.P. Tutberidze, A.Kh. Bagramyan, P.V. Manjgaladze, T.Sh. Gegechkori, A.M. Avetisyan, T.N. Gogoladze, T.M. Gevondyan, M.B. Mkrtchyan). About ten PhD theses have been defended under his leadership. Prof. D.I. Sikharulidze was awarded the Prize of Honour of Georgia.



Luli SHATASHVILI (1928-2000) - Doctor of Physical and Mathematical Sciences, Professor. In 1952 he graduated with honours from the Department of Physics of Tbilisi State University having specialized in Physics. In 1952-1956 he worked at the Cosmic Ray Station at the Hydrometeorological Service, which in 1956 was transferred to Institute of Geophysics of the Georgian Academy of Sciences. From 1956 till his last days, Professor L.Kh. Shatashvili worked at Institute of Geophysics, occupied the positions of the Head of the Laboratory of High Energy Cosmic Rays, the Head of the department of Cosmic Rays. At the Institute he completed his postgraduate course. In 1962 he defended his candidate thesis and in 1977 defended the doctoral dissertation.

Professor L.Kh. Shatashvili was a prominent specialist in the field of Interplanetary Space and Physics of Cosmic Rays. He is the author of the fundamental work on the theory of quasi-periodic variations in the intensity of cosmic rays, which led to the awareness of the dominant role of the asymmetric solar wind in the formation of 27-day variations of charged particles of cosmic radiation. Professor L.Kh. Shatashvili's works on the 27-day variations are recognized as classical works and have been included in all known monographs. He is an author of about 200 scientific papers, including 4 monographs («Квазипериодические вариации космических лучей», Metsniereba, 1974, p. 126, co-author: M.V. Alania; «Квазипериодические вариации интенсивности и анизотропии космических лучей», Metsniereba, 1981, p. 131, co-author: B. D. Naskidashvili; «Квазипериодические вариации космических лучей и солнечно-земные явления», Metsniereba, 1991, p. 96, co-authors: N.A. Nachkebia, O.G. Rogava). Prof. L.Kh. Shatashvili was awarded the Prize of Honour of Georgia, was a member of many problem councils of the Academy of Sciences of Russia, a member of the US Geographical Society.



Archil OKUDJAVA (1928-2008) - Academic Doctor of Physical and Mathematical Sciences. In 1949 he graduated from the Faculty of Physics and Mathematics of Tbilisi State University having specialized in Theoretical Physics. From 1950 he worked at Institute of Geophysics at the Department of Physics of Atmosphere. Since 1971 he headed the Laboratory of Modelling of Atmospheric Processes. In 1969 he successfully defended his thesis for the degree of Candidate of Physical and Mathematical Sciences. A.M. Okudjava is a leading specialist in the study of atmospheric phenomena. A.M. Okudjava's works are devoted to laboratory modelling of microphysical and electrical processes occurring in convective clouds during their natural development and artificial effect on them. (Monograph: «Гетерогенная нуклеация льда», Metsniereba, 1984, p. 140, co-authors: T.G. Gzirishvili, A.I. Kartsivadze). A.M. Okudjava has a great merit in the creation of one of the significant laboratory complexes at Institute of Geophysics - the Thermal Chamber and its equipment, measuring devices. A.M. Okudjava is an author of many scientific works and three inventions. He was awarded a silver medal of the USSR Exhibition of Economic Achievements for participation in the development of scientific research area in the field of Physics of Clouds.

კოლეგების ხსოვნისადმი დაბადებიდან 90 წლის თავთან დაკავშირებით

ნ.ღლონტი

რეზიუმე

წარმოდგენილია მოკლე ინფორმაცია აწ გარდაცვლილი ჩვენი კოლეგების პროფესორ ე. ჯიბლადის, პროფესორ დ. სიხარულიძის, პროფესორ ლ. შათაშვილის და აკადემიური დოქტორის ა.ოკუჯავას სამეცნიერო მოღვაწეობის შესახებ მათი დაბადებიდან 90 წლის თავთან დაკავშირებით

Памяти коллег к 90-летию со дня рождения

Н.Я. Глонти

Резюме

В связи с 90-летием со дня рождения ушедших из жизни наших коллег проф. Э.А. Джибладзе, проф. В.И. Сихарулидзе, проф. Л.Х. Шаташвили и академического доктора А.М. Окуджава, представлена краткая информация об их научной деятельности.