

**VLADIMIR  
SHEVCHENKO  
RUSSIA**

Vladimir Shevchenko graduated from Moscow Lomonosov University in 1963, Dr Sc. (Chemistry) – at Kurnakov Institute of General and Inorganic Chemistry of USSR Academy of Sciences in 1977. In 2000 he was elected as Academician at the Russian Academy of Sciences (RAS). In 1991–1998 he was a Director of the Institute of Technical Ceramics of RAS (Moscow). Since 1998 he leads the Institute of Silicate Chemistry RAS.

In the field of materials science he first obtained significant and important results of novel semiconductor AIBV compounds. The semiconductor's thermal sensors on the AIBV base are used in the aerospace engineering, aviation and heat-power engineering were developed. In former USSR these devices were manufactured in hundreds of thousands units. V. Shevchenko has found a morphotropy law – a violation of isostructurality. This discovery allows predicting novel substances (e.g., gallium bismuthide). New concepts of fracture of solids under intensive mechanical and heat loads (dissociative theory) developed by V. Shevchenko helped to fabricate ceramic components based on the first Russian armor plates, which have no analogues in the world.

In 1987 V. Shevchenko was the first Soviet scientist elected as a member of the World Academy of Ceramics. Since 1988, he became a member of the Executive Committee of the International Federation of Ceramics, as President of the Russian Ceramic Society. In 1998–2002 he held a position as a President of the International Academy of Ceramics. Currently, academician V. Shevchenko is a member of the Council of the European Ceramic Society, member of the Advisory Board of the World Academy of Ceramics.

V. Shevchenko has published more than 300 articles in Russian and International journals.

V. Shevchenko was awarded by a number of prizes: Order of Honor (Russia, 1998); State Prize of Russian Federation (2000); Grebenshchikov award of RAS (2006); Order of Friendship (Russia, 2006); Mendeleev award in Chemistry of Saint-Petersburg Government (2007); A.M. Prokhorov medal of Academy of Engineering Sciences (2012).