

FOREWORD

Based on a rich scientific tradition, the Academy of Romanian Scientists (ARS) is the continuator and the unique heir of the Romanian Academy of Sciences (1936-1948). Then, together with the Academy of Medical Sciences and the Romanian Academy, it was included (by Decree of the Great National Assembly) into the Academy of the Romanian Popular Republic, with Academician Traian Savulescu as president.

In 1956, Academician Traian Savulescu, together with other scientists and members of the Academy, created the Association of the Romanian Scientists, as a partial compensation for the disappearance of the Academy of Romanian Scientists. In 1996, at the first National Congress of the Romanian Scientists (with international participation) the denomination Academy of Romanian Scientists was readopted, with the same acronym and the same statute as in 1936.

By the Decree 52, from January 12, 2007, ARS was recognized as an institution of public interest, situated between the Romanian Academy and the specialized Academies and enjoying the status of chief accountant of public funds.

The Annals of the Academy of Romanian Scientists reappeared and continued, during 2006-2007, the tradition from 1936, with one volume every year. Starting with 2008, the Annals are published observing the internationally recognized standards as several independent series, for each section of ARS.

Despite their great diversity, all published papers must have something in common. They will be assessed by

our referees, trusted researchers in their fields of activity and they must be able to prove be influential in the science progress.

In essence, we are seeking for papers of the highest quality that present an important advance in conceptual understanding to provide new insights into related processes or report a new level of technological performance or functionality for the future development in different fields of interest.

In the same time, the papers must offer broad appeal to the scientific community, including the young scientists also. I would like, on this occasion to say a big thank-you to all members of the scientific community who either submitted papers, or acted as referees, or intend to participate in the future at the success of the ARS Annals.

*It is my real pleasure to congratulate now the members of the **Technical Sciences Section** of ARS and the members of the Editorial Board for launching the series on **Engineering Sciences** of the Annals. To all of them and to the technical staff involved in the production of the journal, my sincere thanks for their work and my best wishes of success in the future activity.*

*Gen.(r), Prof. univ., M.D., Ph.D., Dr. H.C., Vasile Căndea
President of the Academy of Romanian Scientists*