

## “Prof dr. Mircea Nicolae SABĂU” ARA Awards for Excellence in Physics/Chemistry - Prof. Ioana IONEL, PhD

- The American Romanian Academy of Arts and Sciences (ARA) is an internationally recognised academic research and educational institution that conducts and supports multidisciplinary studies in exact sciences, mathematics, natural sciences, and also supports the arts, linguistics, literature, political studies and sociology. As an institution its main goal is to foster cultural exchanges between the American and Romanian cultures.
- ARA was founded in California in 1975 by a group of American-Romanians, and in 2014 has 119 elected members, 81 corresponding members, and 59 honorary members.

Ioana Ionel was born on June 24, 1953 in Cimpulung, Romania, and she is professor at the Politehnica University of Timisoara, department of and guest professor at the Technical University from Munich, Germany.

Her scientific development was mainly influenced by two events: PhD degree awarded 1987 and the Alexander von Humboldt fellowship, starting 1991.

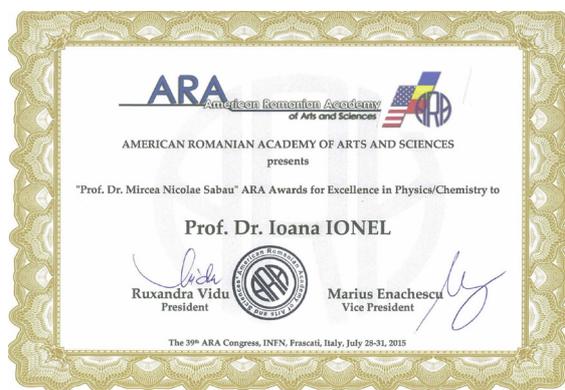
She has as main area of expertise for teaching and research topics concerning Thermodynamics, Clean Combustion, Environmental protection and Renewable Energy applications.

In 2001 she habilitated at Technology University Munich based on a thesis and research concerning the quality of air, methods for investigations and clean technologies' applications for power plants.

She is leader and director of a specialized research centre consisting of different ISO 17025 attested labs, mainly the air quality ([www.mediu.ro](http://www.mediu.ro)) monitoring and renewable energy resources are to be mentioned (<http://energieregen.mec.upt.ro>).

She is author of several books in Romanian, German and English, notable are the recent series of literature authored or coordinated concerning renewable energy resources such as biomass, biofuels, biogas, bioenergy in general.

Her activity consists both in lecturing at home and abroad, as invited professor, also for summer schools.



Numerous research project, on national, European, and international level have been coordinated, as well as expertise grants are offered to the private industrial sector. The coordination of PhD students is also notable.

Prof. Ioana Ionel is fellow at: Humboldt Foundation, member: Association Termotehnicenilor din Romania, Verein der Deutschen Ingenieure, Balkan Environmental Association, American Romanian Academy.