

Dr Ruxandra Crutescu



Born in Bucharest, Romania, on 4 September 1961, Ruxandra Crutescu is a University Lecturer at the Faculty of Architecture, “Spiru Haret” University, Bucharest, and is the Head of the Research-Development-Innovation Department at Passive house Institute, Bragadiru, whose founder she is. Her contribution to the scientific activity consists of approx. 80 articles published in various scientific magazines or on the occasion of national and international scientific conferences and a number of books having as main subject the ecological architecture, the durable development in architectural matters, the use of renewable energies in buildings and architecture, in order to reduce the greenhouse gas emissions and protect nature. Her activity is also oriented towards the designing and execution of energetically efficient buildings, ecological and non-polluting, respecting the passive, zero energy and plus energy buildings

standards.

As member of Architects’ Order of Romania, the Register of Urbanism of Romania and the Passive house Institute of Darmstadt, Germany, she is involved in the research activity of passive buildings since 1997.

Active participant to the life of the Romanian and the international scientific community, she is Reviewer and Associate Editor for different Romanian and international publications.

Amongst her activity’s results, there is the first Romanian passive house, in 2004, at Burlusi (Arges County), and the first Romanian passive office-building (2500sqm), in 2007, at Bragadiru (Ilfov County), which belongs to Amvic Romania.

Her continuous and sustained activity, with an experience of 28 years in the research field of buildings and ecological architecture, her being an energetic audit specialist for buildings, authorized thermo-analyst for buildings in EU, authorized designer for passive buildings, having planned and risen more than 3.500 buildings (family houses, kindergartens, schools, city halls, office-buildings, etc.), place her amongst the most active specialists in Romania and abroad.

The main achievement of the present activity is implementing in Romania of a new building system for ecological and passive buildings, energetically efficient: *Marc* Insulated Concrete Forms, made of Neopor, which are produced at Bragadiru, Ilfov County, Romania.

Since 2009, Ruxandra Crutescu holds a PhD in Architecture from “Ion Mincu” Architecture University, Bucharest.

Her presentation on: **ECOARCHITECTURE FOR SUSTAINABLE DEVELOPMENT**