

## "Challenges for African women mathematicians to contribute in developing Sciences, Technology and Innovations"

Prof. EL YACOUBI Nouzha, President African Mathematical Union (AMU)  
University Mohammed V, Rabat, Morocco  
E-mail: nelyacoubi4@gmail.com

In the 21st century, information, knowledge, science and technology constitute a real power, and an educated person is asked to be able to access, interpret and possess information, to understand science and use technology. The whole world is going through a major historical transformation of a multidimensional nature: scientific and technological, economic, social, cultural, political and geopolitical. Innovations and new trends are necessary to face such big change and fulfill the high expectations of this new millennium. So, critical thinking skills, problem-solving and creativity remain the key factors to be a successful worker. The gender issue is of a great importance: girls and women, as half of the world's population must be viewed as intellectual assets and provided opportunities to enhance their education in particular in science and technology. The developing countries are called out to expend important efforts and set up relevant strategies to follow the developed countries and try to go through these numerous transformations. The continent of Africa, in particular, is currently striving to achieve the much-needed socio-economic growth via innovations in science and technology. Some challenges and opportunities will be discussed in that talk.

Keywords: Africa, Innovations in Science and Technology, gender issues, challenges, opportunities,.