

Biography Rajaâ CHERKAOUI EL MOURSLI

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<https://scholar.google.com/citations?user=P9nt1owAAAAJ&hl=fr>

Prof. Rajaâ Cherkaoui El Moursli received her Ph.D. in Nuclear Physics at the University Joseph Fourier in Grenoble, France. Early 1982, she joined the Faculty of Sciences, University Mohammed V, Rabat. Later in 1996, she was serving as the head of the Laboratory of Nuclear Physics (LNP). Cherkaoui's research inclinations are applications of nuclear physics, medical physics, and high energy physics. Such, a great achievement led her to develop several projects related to nuclear applications. She was part of official Morocco's forerunners participants in the international ATLAS collaboration at CERN, the European Organization for Nuclear Research, one of the world's largest and most respected centers for scientific research, in Geneva in 1996. She is a member of the international collaborations ATLAS, KM3NET, and ANTARES. With her professional expertise, Prof. Cherkaoui created and implemented several master's degree programs at the university, one of her crucial roles was building and Strengthening the First Master's Program in Medical Physics in Morocco. More than thirty of the graduates of this master's currently occupy the position of radiophysicist in Moroccan hospitals. She has supervised 20 Doctoral students and 27 Master's students. She enjoys a very good H-index of 120 (Scopus). In 2021, she holds first place across the board, in Morocco, Africa, and the "Arab League" and globally, she enters the Top 50 of the Alper- Dodger (AD) Scientific Index, and in 2022; she holds third place in Morocco and Africa and 167 rank in the world.

Throughout her career, she has been appointed as a member of several selection committees within national organizations (Universities: Deans, directors; Ministry: Directors; CNRST: division director; CNESTEN: Director +Secretary General ).

Since 2004, she is a Member of the Scientific Committee and coordinator of module 1 of the Superior Regional Training on radiation safety and control of radiation sources organized annually by the National Center for Energy Sciences and Nuclear (CNESTEN) under the auspices of the International Atomic Energy Agency (IAEA).

She became Vice-President for Research, Innovation, Cooperation, and Partnership at Mohammed V University from 2013 to 2017.

Since 2014, she has chaired a new competition program as president of the national organizing committee in Morocco entitled "My thesis in 180 seconds". The same year, she was appointed Acting Dean of the Faculty of Letters and Human Sciences of Mohammed V. Agdal University, for one year, until the appointment of a new Dean. From 2014 to 2018, she was nominated Scientific Expert Evaluator for National Center for Scientific and Technical Research (CNRST)

In 2015, she received the L'Oréal-UNESCO award for "Women in Science" as a laureate representing Africa and the Arab States, and she is the first Moroccan to obtain this prize.

Besides that, she was also assigned as a resident member of the Hassan II Academy of Sciences and Technology in Morocco. Simultaneously she was elected a Fellow of the African Academy of Sciences (AAS). The same year, she became a member of the jury for the L'Oréal-UNESCO regional grants for women and science in the Maghreb. She was also elected woman of the year in Morocco by the magazine "Illi Des Libertés 2015".

From 2015 to 2019 she was assigned as a Member of the International Science Council ICSU Regional Committee for Africa.

In 2016, the Inter-Academy Partnership for Research (IPA-R) appointed her as a member of IAP-Research's triennial project entitled "Harnessing Science, Engineering and Medicine to Address Africa's Challenges: The Role of African National Academies". The same year, she

was appointed as a member of the management Board of the Moroccan Agency for Safety and Nuclear Security (AMSSNuR) and a member of the Scientific Committee of the Spanish Foundation "Women for Africa".

In 2017, She has won the first prize for her most publications in science and technology at "2nd day of scientific research and innovation of Mohammed V University". In the same year, she was honored for her outstanding contribution and achievements in the field of science and technology in the Islamic world by the Organization of Islamic Cooperation (OCI). On July 19, 2017, at the First Global Challenge in Washington, a prize with three gold, silver, and bronze medals was named "Rajaâ Cherkaoui El Moursli Award for its courageous achievements" awarded to three winning teams. She was cited by BBC News, 2017, 100 Women, and by the Marrakech Women's Museum.

Since 2018, she was assigned as a member of the *For Women in Science* International Jury in Physical Sciences, Mathematics and Computer Science for the L'Oréal-UNESCO Awards and Scientific Expert for Royal Society for FLAIR Projects (Research Foundation Flanders). Each year, the edition of the International Awards will designate five outstanding scientific researchers in the field of Physical Sciences, Mathematics, and Computer Science, working in the following regions: - Africa and the Arab States - Asia and the Pacific - Europe - Latin America and the Caribbean - North America. In the same year 2018, Prof Cherkaoui was elected a Fellow of the World Academy of Sciences (TWAS) for the advancement of science in developing countries and of the Organization for Women in Science for the Developing World. Since 2018, she has been appointed a Board Member of the National Center for Nuclear Energy, Science and Technology (Morocco).

In 2019, she was elected Vice-President for Policy Review and Administration of the board of the Network of African Science Academies (NASAC).

In 2021, she was designated as an Official Nominator for the "2021 VinFuture Prize. She was assigned a Member of the InterAcademy Partnership (IAP) Nominations and Elections Committee 2021-2022

August 2022, she was invited to serve on the Review Panel of the Academy of Science of South Africa (ASSAf) 5-Year Institution for the period 1 April 2015 to 31 March 2020. In the same year, she has been appointed to serve on the TWAS Subject Review Committee (SRC) and the TWAS Policy Development and Future Actions (PDFA) Committee. She was nominated a Fellow of the European Academy of Science and Art and a Member of the Management Board of the National Center for Scientific and Technical Research (Morocco/ CNRST) in this year.