

YOUNG SCIENTIST PROJECT: A proposal to teach, demystify and disseminate nuclear physics

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The use of Information and Communication Technologies (ICT) has facilitated the dissemination of nuclear knowledge and, at the same time, improved relations between specialists working in different areas of science. The growing number of initiatives, on the part of Research Centers, Universities, and even on an individual basis has been positive through social networks, websites, and blogs. The Young Scientist Project was created in 2019, by the team of the Spectroscopy and Spectrometry of Radiation Laboratory at IPEN, with the proposal to implement nuclear knowledge. The aim is to present alternative proposals for knowledge, application, and dissemination of science, with an emphasis on demystifying the nuclear sciences. The website (www.jovemcientista.com.br) design involves four menus: REPORTS where researchers talk about their career, challenges, and perspectives in the field; NUCLEAR MINUTE: where nuclear physics concepts are covered in one-minute videos; CURIOSITIES: a space where various topics are presented, whose objective is to dialogue between the various areas of scientific knowledge. In addition, within this menu, scientific content from other media is available in GARIMPO, and the menu INTERVIEWS: conducted by students to discuss its work. All the content produced on this website is available in various social media, such as, the YouTube channel (Jovem Cientista), the profile on Instagram (@jovemcientista.com.br) associated with a Facebook page (@jovemcientista.com.br), the profile on TikTok (@jovemcientista.com.br) and by LinkedIn and Twitter in the editors' profile. In addition, the site provides a communication channel with the entire team. Since its creation, content has been developed in the nuclear area from basic concepts to applications of radiation in different areas, such as, the environment, dosimetry, and health, among others. The possibility of using ICT has been positive, helping to demystify and disseminate nuclear physics.