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# RESEARCH AT THE FEDERAL UNIVERSITY OF ABC



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Located in an industrial belt of São Paulo (Brazil's largest city), in a region known as "ABC", Universidade Federal do ABC (UFABC) has been created to contribute directly and indirectly to the education of Brazilian people, to advance the knowledge in the fields of engineering, mathematics, computing and natural and human sciences, and to meet the demands of regional industrial activities and public administration.

UFABC was founded in 2006 and currently has two campuses. Despite the fact that both of them are still partly under construction, it has not prevented UFABC from establishing a reputation for high-level interdisciplinary research and teaching.

- Scientific Computing
- Scientific Initiation
- Researcher Support

Today, UFABC has approximately 160 research projects, covering all fields of knowledge. Research activities are characterized by an interdisciplinary approach that leads to the development of skilled professionals with comprehensive knowledge, commitment, and creativity, in an active and stimulating involvement. It is through this approach that these professionals are expected to build a scientific community attentive to the complexity of life, ready to search for solutions for the demands posed by society, guided by the principles of socio-environmental responsibility and ethics.

Research infrastructure includes multi-user concept laboratories, and the collaboration among researchers from various fields give the academic community the opportunity to carry out studies and experimentations in the fields of Physics, Chemistry, Biology and Engineering.

As published in the latest edition of Scimago Institutions Rankings (<http://www.scimagoir.com/>), for the third consecutive year, UFABC is the Brazilian university with the best set of quality indicators. According to this ranking, 179 Brazilian institutions published 100 or more scientific papers between 2009 and 2013, based on Scopus data base. In this universe, UFABC is the best placed institution in the categories Normalized Impact (which measures the international impact of the university's scientific publications in comparison with the world average), High Quality Publications (which measures the percentage of the institution's publications among the world's most reputed journals) and Excellence (which measures the percentage of the institution's publications among the world's most cited).

UFABC is the best ranked Brazilian university in the category International Collaborations as well. It also presents the fourth lowest specialization index among the

analyzed universities, which reinforces the institutional policy towards interdisciplinarity, that by its turn has become UFABC's striking feature.

In the 2015 edition of the Center for World University Rankings (CWUR), UFABC moved from 18th place to 15th (jumped three positions) in the national context, while it moved from 983 to 961 (jumped 22 positions) in the international context, among more than 25.000 universities which were analyzed. This corresponds to a global position among the 3.9% best institutions in the world.

UFABC has five strategic units of research, their aims are to promote the production and dissemination of scientific knowledge in innovative areas that are considered strategic to the University, and to encourage interdisciplinarity with excellence.

In addition to these units, UFABC has a Center for Assistive Technologies, which is funded directly by CNPq/MCTI <sup>1</sup>.



STRATEGIC UNITS
Cognition and Complex Systems (NCSC)
Science, Technology and Society (NCTS)
Studies on Democracy, Development and Sustainability (NEEDDS)
Biochemistry and Biotechnology (NBB)
Virtual Universes, Entertainment and Mobility (NUVEM)

<sup>1</sup> National Council of Technological and Scientific Development/Ministry of Science, Technology and Innovation