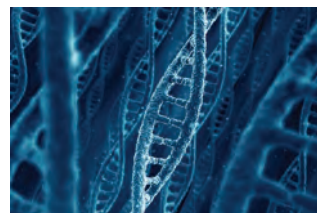


future

Only knowledge is capable of generating, transforming and advancing the frontier of innovation. There are no limits. There are challenges.

From micro to macro, the world of forestry research is in both nano particles and macro lenses of satellite imagery, advancing frontiers, building knowledge.



knowledge



One of the goals of scientific research is the pursuit of knowledge. At Embrapa Forestry, this quest forges a path from innovation, production and sustainability.

Library and Publications

Accessing and consulting our specialized literature enables the generation of new knowledge. This new knowledge returns to the library through various publications produced by our staff.

Laboratory

The research is supported by specialized laboratories, which provide essential support that underpins our methodologies and practices.



Technical-Scientific Events

The promotion of and participation in technical and scientific forums allows for the exchange of experiences and networking with research specialists, identifying needs, and enabling the expansion and sharing of knowledge.

Field Research

Fieldwork is essential for forest research. It is in the field that hypotheses are validated and technologies and knowledge are tested.



Technology Transfer

Enable the knowledge get to the end user, or to appropriate knowledge transfer channels, is to feed the cycle of transformation, putting into practice the results of research undertaken for the benefit of society.

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embrapa forestry and forest research

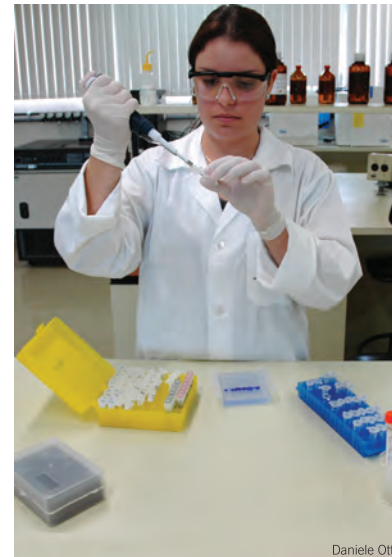
Have you ever looked around and tried to understand where each product, each and every object used in your life, comes from? Much of what is around you comes from the agricultural world and, in particular, from forests.



Rodolfo Bührer

Embrapa Forestry, Unit of the Brazilian Agricultural Research Corporation - Embrapa, Ministry of Agriculture, Livestock and Supply, is one Brazilian institution that realizes this type of research.

Our mission is to develop solutions to address research, development and innovation issues for forest sustainability. A highly qualified team of researchers, analysts and assistants, in collaboration with fellows and interns, working on products, processes and knowledge for forest development.



Daniele Otto

To fulfill our mission, we foster a wide network of partnerships with farmers, public agencies, businesses, universities, research institutes, associations, cooperatives, non-governmental organizations, funding bodies and research support, among others.



Luiz Costa

Forests fulfill several different roles in our planet. They provide biodiversity, water, soil protection and conservation, recovery of degraded areas and carbon sequestration. They also provide raw materials for services and goods for everyday consumption: furniture, paper, packaging, medicine, food, construction materials, and power generation for industries that produce goods for our daily lives, among many others.



Zig Koch

Brazil occupies a prominent position in the global forest scene, with a breadth and grandeur of natural forests, as well as cutting-edge technology and productivity in forest plantations. The country increasingly counts on scientific research to maintain its position on the global stage. Forest research enables us to transform principles such as production, conservation and sustainable development into reality.

expertise

Embrapa Forestry has researched and developed technologies focused on all phases of forest management for both native and exotic species, including: breeding; pest management; recovery of degraded areas; agroforestry systems; non-timber forest products; and environmental monitoring. More recent topics include forests for energy production; climate change; integrated crop-livestock-forests, and forest biotechnology.



Rodolfo Bührer

Cutting-edge technologies in forest plantations generate products that are essential for our daily lives. Proper management and use of forest plantations as raw materials reduces the pressure on our native forests.

Native forests, forest plantations and integrated systems are addressed in our forestry research, combining preservation, conservation and sustainability.



Wes Clayton & R. Goulart

Biological control provides sustainable methods of pest and disease control. Integrated management avoids losses in a sustainable manner.

The restoration of degraded ecosystems, especially in permanent preservation areas and legal reserves, is based on important keystone forest species.



Francisco Santana

Environmental monitoring is an essential tool for the sustainability of forests. Knowing how our forests grow and behave is fundamental to public policy and preservation actions.



Maria Augusta De Rosol



Zig Koch

Non-timber forest products are the focus of research to ensure we can fully exploit the benefits of forests. Many foods also come from forests, such as mate, hearts of palm, Brazilian pine nuts, fruits, and medicinal plants, among others.