

Research challenges

Discovering new knowledge is an amazing fact. The perception is greater than watching a seed germinate after planting. In fact, the impression you get is as if you were preparing the seed itself. The acquisition of a new knowledge seeks to answer open and necessary questions for the progress which characterizes its importance in all areas of human life. Currently, many people fully commit their lives to this essential sector.

The “social and economic development of a country” is linked to science and present technology. Trained staff (researcher), an appropriate location (laboratory) and a condition for execution (available resources) are indispensable. The speed of economic and political return difficults the interests and investments in advances in research and training of new researchers. Brazil has witnessed a special moment, with well-deserved international prominence. It is observed that in several high-impact journals stands a growing number of studies by Brazilian researchers.

The interrelationship between teaching and research values the teacher-researcher, as well as the student, which characterizes the basic goal of knowledge. The association between education and research in dentistry facilitates the understanding of the scientific method, highlighting the need of the teacher-researcher understand it with a view to better implementation. It is worth recalling that the practice of science (educational-investigative, based on the construction and transmission of knowledge) is difficult to be explained and passed, imposing for the correct valorization and learning, the need to experience it. Be open to redirect it when it is needed becomes a constant.

A research challenge is to keep alive the reasons for seeking solutions to the problems created. Scale the consequences of the responses or trials, joys and frustrations, success or failure of the researcher is unpredictable. The balance and timing are crucial to the process. The motivation of the researcher can never end, as well as the value of the teacher, researcher, and father... The perfect interaction between the researcher and his students develops when both have maintained similar levels of reasons for the findings.

Learning teaching (self-education), research (understanding how to solve their own problems), and keep alive the motivation (energy that moves the man) are essential means to education, science and life.

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