

Challenges in Science, Technology and Innovation after COVID-19

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This special edition of the Journal of Bioengineering and Technology Applied to Health brings a selection of articles presented at the VI International Symposium on Innovation and Technology (SIINTEC). The SIINTEC happens since 2015. The event is annual and promoted by SENAI CIMATEC, Salvador, Bahia, Brazil. The VI SIINTEC was focused on discussing challenges in science, technology, and innovation after COVID-19. We had to make changes and find immediate solutions to keep people together, now this connection provides us the opportunity of having qualified participants from all over the world sharing and building knowledge. The VI SIINTEC occurred in 2020 from October 21 till 23. The main point is providing the opportunity of reuniting the scientific and technological community to discuss innovation, researches, and advances promoted by the pandemic period and draw applicable conclusions to society's new routine.

Many researchers seek answers and solutions to questions and problems generated in the current pandemic scenario. Vaccine developments to combat the SARS-Cov-2 virus are being carried out by researchers around the world. But also, all scientific development, despite the difficulties imposed by quarantine, remains active. In this first volume of selected articles from VI SIINTEC 2020, research on developments involving the application of lean manufacturing, development of the gamified model, characterization, and application of oils, biomass, and cyanobacteria species will be discussed. Also, Brazilian



manufacturers' presence in the COVID-19 diagnostic products will be discussed as well.

The research presented here makes significant contributions to state-of-the-art presentations, innovative medical products, health innovation initiatives, and a review article. The authors highlighted in their research: the program "Lean Manufacturing in support of the COVID-19 crisis"; Brazil's external dependence on products from other countries; possibilities of using gamification in the construction environment to help workers in the prevention against COVID-19; identification and study of a promising cyanobacteria species for biotechnological applications; composites reinforced with PET fiber residue have advantages in the development of new material with sustainable characteristics; *Moringa oleifera* Lam oil can be used as a potential source for the manufacture of several industrial products, such as food and cosmetics; thermodynamics of oils of nutritional/cosmetic use; and characterization of *Arthrospira* sp (Spirulina) biomass growth in hydroponic waste solution.

We wish you all an excellent reading.

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