

Transform the Future with a Ph.D. in Plant Science & Biotechnology at ACE-CEFOR

Join the World Bank Africa Centre of Excellence in Oilfield Chemicals Research for a Ph.D. in Plant Science & Biotechnology, where you will explore innovative solutions for the oil and gas industry through plant-based technologies. This programme focuses on harnessing the power of plants for carbon sequestration, environmental remediation, and the development of green oilfield chemicals that offer sustainable alternatives to synthetic options. You'll dive into advanced topics like plant biotechnology, molecular methods, and genetic engineering to improve plant efficiency in producing natural compounds such as saponins, emulsifiers, and viscosifiers. Our research-driven curriculum equips you with the expertise to contribute to decarbonization efforts, enhance energy conversion, and create eco-friendly oilfield solutions. Through cutting-edge biotechnology and a deep understanding of plant chemistry, you'll lead the way in sustainable practices that minimize environmental impacts. Graduates of this programme are poised for careers in research, academia, environmental management, and the development of biotechnological products for the oil and gas industry.

