"Right from the outset of the Faculty of the Future program in 2004, the goal, vision and mission of this undertaking has remained as clear and pertinent as on the day it was first launched: helping women from emerging economies to attain the highest level of scientific education and training through fellowships for study at PhD or Post-Doctorate level at top research institutes worldwide, thereby addressing gender parity in STEM in these countries. To date, 739 women have benefited from the financial support and distinct nurturing offered by this program to achieve their life dream of becoming a recognized scientist in the field of their choice."

Ms. Roseline Chapel

President, Schlumberger Foundation.

FACULTY FOR THE FUTURE

EMPOWERING WOMEN, ADVANCING SCIENCE, DEVELOPING NATIONS

Schlumberger **Foundation** Faculty for the Future

LAUNCHED BY THE SCHLUMBERGER FOUNDATION IN 2004, FACULTY FOR THE FUTURE HAS GROWN TO BECOME A COMMUNITY OF 739 WOMEN FROM 82 COUNTRIES. IN 2020, 19 NEW GRANTS WERE AWARDED AND 77 GRANTS WERE RENEWED.

2020 GRANT RECIPIENTS

Violeta Carmen ANGULO FERNANDEZ
Bolivia

Is pursuing a PhD in Ecology and Biodiversity at the University of Utrecht in the Netherlands. Her research aims at obtaining beneficial microorganisms (bacteria and fungi) with traits to improve soil structure (aggregation), moisture retention, and carbon sequestration in degraded soil. Her research will help to reduce soil degradation due to intensive agriculture practices, destruction of natural ecosystems, and climate change impacts on soil properties in Bolivia.

Faten AYYASH
Palestine

Is pursuing a PhD in Water Engineering at the University of Exeter in the United Kingdom. Her research will combine simulation and Geographic Information System Modeling to stimulate behavior of over-abstracted aquifers in Gaza Strip-Palestine. The study is expected to provide a better understanding of impact of global changes and population growth on water resources, which can be used by policy and decision makers in sustainable use of natural resources and planning for future resilient water resources.

Joy CARPIO
Philippines

Is pursuing a PhD in Systems Engineering at the University of California, Berkeley in the United States. Her research focuses on artificial intelligence and reinforcement learning, aiming at providing an advance platform in traffic management using computer simulations, machine learning and day to day real time data. She expects it will help decision making in traffic management in the Philippines.

Awa Bousso DRAME
Senegal

Is pursuing a PhD in Earth and Environmental Sciences (Physical Geography) at the University College London in the United Kingdom. Several cross-border estuaries such as the Senegal and Mono river (Benin-Togo) are often a source of geopolitical conflicts in coastal management. Her research aims at monitoring and assessing human footprints as well as exposure to flooding and erosion risks through a geomorphological approach combined with GIS and hydro-sedimentary flows' modeling.
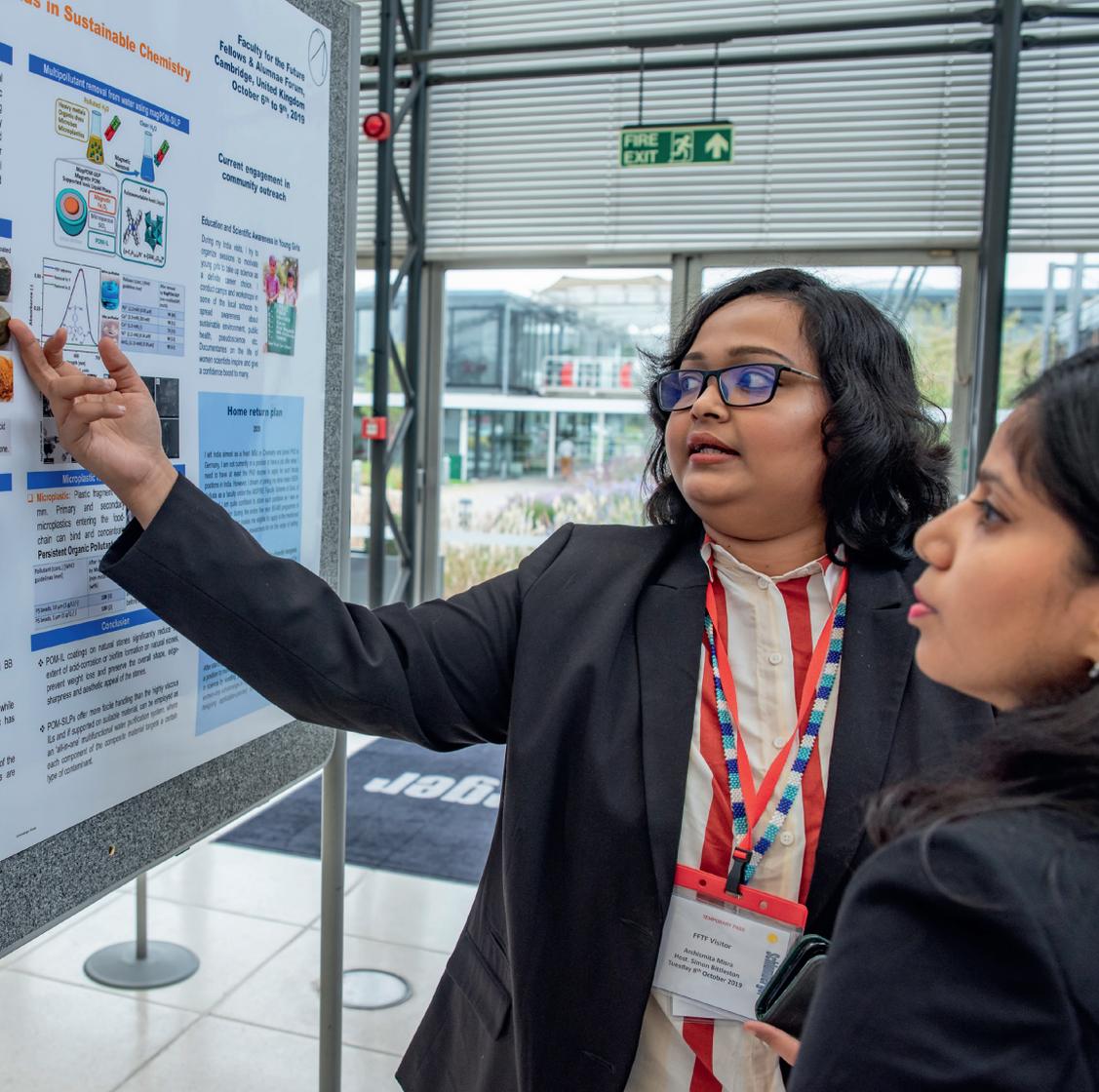
Zahra ESSACK
South Africa

Is pursuing a PhD in Planetary Sciences at the Massachusetts Institute of Technology in the United States. Her research focuses on three interlinked topics related to hot super-Earth exoplanets: surfaces, atmospheres, and detection. She expects to inform and drive exoplanet science with detection techniques in South Africa and continue to establish the country as a resource for the exoplanet field.

Yasmin QUINTANA MORALES
Guatemala

Is pursuing a PhD in Ecology and Conservation Biology at Texas A&M University in the United States. Her research project is evaluating the impact of an invasive armored fish on the native fishes of Guatemala, aiming at supporting conservation and food security.

WOMEN IN SCIENCE, TECHNOLOGY, ENGINEERING & MATH (STEM)

The Faculty for the Future program awards fellowships to women from developing and emerging economies to pursue PhD or post-doctoral studies in STEM disciplines at leading universities abroad.

The program's long-term goal is to accelerate gender equality in STEM by generating conditions that result in more women pursuing scientific careers through alleviating some of the barriers they encounter when enrolling in STEM disciplines. The program is committed to gender parity in science in the interests of sustainable development and recognizes that full access to and participation in a STEM curriculum is essential for the empowerment of women and girls. By accelerating gender equality in STEM, the talent and capacities of these women can be developed for the benefit of their local communities, regions and nations.

Faculty for the Future grants are based on actual costs up to a maximum of USD 40,000 per year for a post-doc or USD 50,000 per year for a PhD and may be renewed through to completion of studies subject to performance, self-evaluation, and recommendations from supervisors.

FOR MORE INFORMATION PLEASE VISIT

www.foundation.slb.com

ELIGIBILITY

Faculty for the Future is designed for women who:

- are from a developing country or emerging economy where women are underrepresented STEM;
- are preparing for a PhD degree or post-doctoral research in a STEM discipline;
- are enrolled, admitted or have applied to a host university/research institute abroad;
- hold an excellent academic record;
- are willing to go back to their home country or region upon completion of their studies to contribute to its socio-economic development;
- have a proven record of teaching experience in their home country and can demonstrate their commitment to going back home to: i) an academic or research position in a STEM faculty; ii) and/or to using their knowledge to become a STEM entrepreneur to help resolve regional challenges in their local community/region; iii) and/or demonstrating leadership by contributing to the public sector using their scientific skills to help provide evidence-based support for STEM policy making, including topics of gender representation.
- can demonstrate leadership skills, active community outreach and have a track record in encouraging girls and women into STEM.