UWI
ST. AUGUSTINE CAMPUS

Research Fellow (Level II)

FURTHER PARTICULARS

Be part of a Great West Indian Tradition

The University of the West Indies (UWI) is a well-established independent university that serves 17 countries of the Commonwealth Caribbean: Anguilla, Antigua & Barbuda, The Bahamas, Barbados, Belize, Bermuda, The British Virgin Islands, The Cayman Islands, Dominica, Grenada, Jamaica, Montserrat, St. Kitts & Nevis, St. Lucia, St. Vincent & the Grenadines, Trinidad & Tobago, and the Turks & Caicos Islands. Read more …

Ranked Among the Best

An innovative, internationally competitive, contemporary university deeply rooted in the Caribbean, The UWI is an international university, in every respect, with links extending beyond the region to well over 100 universities worldwide.

The Times Higher Education rankings in 2018 and 2019, placed The UWI as the number 1 ranked university in the Caribbean out of over 200 registered institutions across the region; and among the top 3% of some 2,000 registered universities in the wider Latin America and the Caribbean. In 2020 The UWI was ranked among the THE's top 100 "Golden Age" universities established between 1945 and 1967. Read more …

About UWI

The first of UWI's five campuses began in 1948 at Mona, Jamaica, as a College of the University of London. The St. Augustine Campus in Trinidad & Tobago was added in 1961 and UWI achieved full university status in 1962. St. Augustine was followed by campuses at Cave Hill, Barbados (1963), the Open Campus (2008), and the Five Islands Campus in Antigua & Barbuda (2019). Read more …

Our 8 Faculties

Teaching at the St. Augustine Campus takes place within eight faculties - Engineering, Food & Agriculture, Humanities & Education, Law, Medical Sciences, Science & Technology, Social Sciences, and Sport. Each Faculty offers a wide range of undergraduate and postgraduate programmes. Find out more …

Get to Know Us

Visit https://www.uwi.edu/ to find out more about The UWI. For more on the St. Augustine Campus, visit https://sta.uwi.edu/ . Read the latest Campus news in our monthly publication, *UWI Today* and follow us on social media Facebook , Twitter, Instagram, YouTube, LinkedIn.

About the FACULTY OF SCIENCE AND TECHNOLOGY

The Faculty of Science & Technology was formed in 2012 out of the former (Faculty of Science & Agriculture) which has now split into two Faculties, the Faculty of Science & Technology and the Faculty of Food & Agriculture.

The Faculty of Science & Technology comprises the Departments of Chemistry, Life Sciences, Mathematics & Statistics, Computing & Information Technology and Physics.

The Faculty offers Bachelor of Science Degrees in Actuarial Science, Biology, Chemistry, Chemistry & Management, Computer Sciences, Mathematics, Physics, Statistics & Economics as well as a BSc (General) with majors in Biology, Biochemistry, Chemistry, Computer Sciences, Mathematics and Physics.

Website Link: https://sta.uwi.edu/fst/

The Department of Chemistry

The teaching of Chemistry at St. Augustine began in 1963 in the former College of Arts and Sciences and today is part of the Faculty of Science & Technology. It has produced many MPhil and PhD graduates over several decades and many of these have become distinguished individuals in academia, industry and government locally, regionally and internationally. Currently the Department through direction by its highly qualified and reputable staff engages in cutting-edge research covering a wide range of research themes, most of which are cross-disciplinary and of local, regional and international significance. The high-quality research is facilitated by a range of state-of-the-art instrumentation. Various research groups in the department also collaborate with regional (other UWI campuses) and international research institutes.

Cutting-Edge Research Areas

The cutting-edge research in the Department is multidisciplinary and covers several research themes:

Physical Chemistry: This area of research is both basic-theoretical as well as applied and includes:

- Determination of ion transport properties of novel amphiphilic molecules.
- Use of NMR techniques, for example in the elucidation of reaction mechanisms and equilibria, NQR etc.
- Polymer recycling using fluidized bed reactor.
- Corrosion Chemistry

Natural Products and Synthetic Organic Chemistry:

- Extraction, analysis and pharmacological testing of novel natural products isolated from a variety of plant and animal sources.
- Organic Synthesis – chiral molecules (catalysts, reagents, auxiliaries), carbohydrates and peptides.

Environmental and Analytical Chemistry:

- Development of biosensors, immobilized enzyme chemistry and immobilized bioreactors.
- Analysis of toxins, pesticide residues, heavy metal contaminants in the environment, and remedial activities.
- Biofuels – Development of biofuels from waste and novel virgin materials.

Inorganic and Materials Chemistry:

- Liquid crystal compounds: LCD Applications
- Semiconducting Nanomaterials: Solar cell applications
- Novel functionalized macrocycles: Pharmacological applications
- Supramolecular

State-of-the-Art Instrumentation

The Department is well equipped with some of the most advanced state-of-the-art instrumentation to facilitate the cutting-edge research. Some include:

- 300, 400, 600 MHz NMR Spectrometers
- GC & LC Mass Spectrometers
- UATR FTIR; D-A & UV-vis Spectrophotometers
- Inductively Coupled Plasma Mass Spectrometer
- Atomic Force-Scanning Electrochemical Microscope
- Modular TGA/DSC/DTA/TMA Calorimeters
- Parallel Computer Cluster-Computational Workstations

Tenure of Appointment

Appointment as Research Fellow will normally be for three (3) years in the first instance, with eligibility for consideration for renewal.

Subsequent to the first appointment, a member of staff who has served in an equivalent position in this or some other recognized University for a period of six (6) years will be eligible for consideration for indefinite tenure.
Appointment to this post is subject to the Charter of the University and to its Statutes, Ordinances, Rules and Regulations, including Statute 36 – Retirement of Members of Staff.

Further details may be obtained from the Campus Registrar,
The University of the West Indies, St. Augustine, Republic of
Trinidad and Tobago.

Research

Persons appointed to posts in the Faculty of Science and Technology, St. Augustine, will be expected to actively participate in research activities pertaining to his/her field of expertise and/or in collaboration with other departments as appropriate.

The University of the West Indies supports the research activities of permanent members of staff by providing study leave, special leave for scholarly purposes, and sabbatical leave, as well as offering funding for research trips, fieldwork, institutional visits, conference participation and organisation, and research assistants. For more information on research funding, see: https://sta.uwi.edu/research/research-funding

Research Fellow (Level II)

Qualifications and Experience

The successful candidate must possess at minimum, a PhD in Chemistry from a recognized university.

Candidates should also possess:

- A good record of research and publications in reputable, peer reviewed journals
- Experience writing technical reports, service reports, or applied research outputs
- Demonstrated experience in operation, maintenance, calibration, and troubleshooting of analytical instruments (GC, GCMS, AA, ICP-MS, HPLC)
- Experience in outreach, public engagement or community-based research involvement
- Expert-level technical skill in analytical instrumentation and related methods
- Strong command of technical writing, data reporting, and quality assurance/QA-QC practices

Candidates with the following would have an advantage:

- Experience developing laboratory kits, formulations, or technical products
- Experience promoting or marketing laboratory/analytical services
- Proficiency in grant writing and leadership through the application process
- Evidence of prior training and mentoring of technical staff, graduate students, and academic staff in analytical techniques
- Proficiency to lead research in analytical/environmental chemistry, including participatory action research

The following would be considered assets:

- Qualifications in Analytical/Environmental Chemistry
- Professional training in Project Management
- Experience in supervising undergraduate and postgraduate research, preferably including Analytical/Environmental Chemistry and Applied Research
- Knowledge and technical skills in at least one (1) of the following areas:
  - Research Planning
  - Outreach
  - Consultancy
  - Project Management
- Proficiency in working in teams on multidisciplinary research projects
- Competence in liaising with external and international stakeholders or sponsors
- Competence in designing, marketing, and managing revenue-generating services in chemistry laboratories

Key Responsibilities

- Managing the GC, GCMS, AA and ICPMS instruments and training students and staff in their use
- Leading the Department's revenue generating initiatives in research, consulting and analytical services
- Interfacing with clients requiring services, identifying and assembling the requisite resources and coordinating delivery of these services
- Conducting and actively supporting research
- Providing analytical data support to academic staff in research in the Department of Chemistry

- Collaborating with the department and public and private agencies to develop projects and the writing of grant proposals
- Leading the effort through contract research to provide solutions to problems of clients in the private and public sectors both locally and regionally

Personal Attributes

The Campus places high priority on individuals of integrity who can work well in a team and student friendly environment. Candidates should also possess good communication and interpersonal skills. A good command of both oral and written English is essential. Candidates should also:

- Display expert level technical skills in analytical instrumentations
- Possess ability to communicate effectively in a supervisory and leadership role
- Have a strong command of technical writing and reporting industrious, and ability to produce high quality results
- Possess ability to interact professionally and effectively with internal, external and international stakeholders or sponsors
- Have the capacity for strategic thinking, innovation, and service expansion
- Be committed to supporting and initiating departmental outreach programmes and securing funding for community-based or research-based initiatives
- Be computer literate
- Be committed to meeting deadlines
- Possess strong teamwork skills and contribute to a collaborative and supportive working environment

Candidates are further encouraged to enhance their application by providing the following:

- Cover letter
- Teaching statement (1 page)
- Research statement (1 page)

Remuneration Package

Annual Salary Range:

Level III:
Minimum: TT$ 318,180.00 per annum
Maximum: TT$ 353,760.00 per annum

Level II:
Minimum: TT$ 254,136.00 per annum
Maximum: TT$ 296,832.00 per annum

Benefits:

- Special allowance of 6% of basic salary;
- Transportation Allowance of TT$3,250.00 per month;
- Up to five economy class passages plus baggage allowance of US$3,000.00 (TT$ equivalent) on appointment and normal termination (persons recruited from outside of T&T);
- Unfurnished accommodation at 10% or furnished at 12.5% of basic salary, or housing allowance of 20% of basic salary to staff making own housing arrangements;
- UWI contribution of equivalent of 10% of basic salary to Superannuation Scheme;
- Annual Study and Travel Grant (available after first year of service) - TT$24,548.00 per annum;
- Institutional Visit Allowance (available after first year of service) – TT$7,200.00 per annum;
- Book Grant – TT$6,000.00 per annum;
- Contributory Health Insurance – 50%;
- Group Life Insurance Scheme

The Registry
St. Augustine
File # 157-86 I
2026 March 12
/vj