



## Further Particulars

Lecturer positions in:

1. Human Health & the Environment

2. Zoology

### Be part of a Great West Indian Tradition

The University of the West Indies (UWI) is well-established independent University that serves mainly the English-speaking territories of the

West Indies. These countries listed hereunder all contribute to the UWI:

Anguilla, Antigua & Barbuda, The Cayman Islands, The Commonwealth of the Bahamas, Barbados, Belize. The British Virgin Islands, The Commonwealth of Dominica, Grenada, Jamaica, Montserrat, St. Christopher & Nevis, St. Lucia, St. Vincent & the Grenadines, The Republic of Trinidad & Tobago.

Our annual output of graduates, Caribbean-focussed research and policy advice provided to governments and the private sector, continue to have a profound influence on the English-speaking Caribbean, contributing to the region's stability and its relative wellbeing.

### OUR HISTORY

The University of the West Indies is the oldest, fully regional institution of higher learning in the Commonwealth Caribbean. The UWI began at the Mona Campus, Jamaica, in 1948 as a College of the University of London; and in 1962 achieved full University status. The St. Augustine Campus in Trinidad and Tobago was established in 1961 and in 1963 a third Campus was established at Cave Hill in Barbados. In 2008 The University established a fourth campus – The Open Campus – to better manage and expand multi-mode delivery of its programmes.

### OUR FACULTIES

The seven faculties of The UWI offer a wide range of undergraduate, masters and doctoral programmes in Food and Agriculture, Humanities and Education, Engineering, Law, Medical and Veterinary Sciences, Science and Technology; and Social Sciences. Several of these programmes are delivered through the distance mode.

Visit us online at [www.uwi.edu](http://www.uwi.edu) to find out more

about the UWI or [www.sta.uwi.edu](http://www.sta.uwi.edu) for more on the St. Augustine Campus and the Region we serve!





## 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 all Biology, Biochemistry, Chemistry, Computer Sciences, Maths and Physics.

**THE DEPARTMENT OF LIFE SCIENCES** The Department of Life Sciences is a direct descendant of the Departments of Botany, Plant Pathology and Zoology of the Imperial College of Tropical Agriculture, founded in 1922. The Department of Plant Pathology was incorporated into the Botany Department in 1955, and the new department named the Department of Botany and Plant Pathology. In 1968, the Zoology Department was merged with the Department of Botany and Plant Pathology to form the Department of Biological Sciences and later the subject area of Biochemistry was added. The Department subsequently split up again into Botany, Zoology, and Biochemistry. In 1996 they were recombined as the present Department of Life Sciences which offers degrees in Biological and Environmental academic disciplines. The Department of Life Sciences is one of the largest Departments at the St Augustine Campus. The Department has an M.Sc. in Biotechnology and a blended learning M.Sc. in Biodiversity Management and Sustainable Development in the Caribbean. The DLS has

obtained external grant funding and research contracts to the tune of about US\$ 5 million over the last 5 years. In 2014 DLS also won the Vice Chancellors Award for Excellence as the best Department at the University of the West Indies. The DLS also won the UWI St Augustine Campus award for the Most Productive Research Department in 2014 and 2016.

### **STUDENT NUMBERS**

During 2015-16 academic year, the Department registered 350 new students in undergraduate programmes in Biology, Biochemistry and Environmental Sciences and Sustainable Technology. This represents about 40% of all new students entering the Faculty of Science and Technology. Since 2013, the DLS has introduced around 60 new courses which are part of the revised B.Sc. degree/majors/ specializations.

### **.PROGRAMME OFFERING**

The Department offers programme of studies leading to:

Undergraduate:

- B.Sc. Biology with Specialisations in Biotechnology, Ecology & Environmental Biology, Marine Biology, Microbiology, Plant Biology, Zoology
- B.Sc. Environmental Science and Sustainable Technology
- B.Sc. (General) with Majors in Biology, Biochemistry, Environmental Science

Postgraduate:

- M.Sc. in Biodiversity Conservation and Sustainable Development in the Caribbean
- M.S.c in Biotechnology
- MPhil and PhD degrees in Biochemistry, Environmental Biology, Microbiology, Plant Science and Zoology.

## **CURRENT MEMBERS OF ACADEMIC STAFF AND THEIR RESEARCH AREAS**

### **J. B. Agard**

BSc (UWI), MSc (Manch.), PhD (UWI)  
Professor of Tropical Island Ecology  
Social-Ecological systems in development planning; small island biodiversity and ecosystem services; climate change vulnerability impact and adaptation scenarios, carbon sequestration and greenhouse gas emission reduction

### **M. Alkins-Koo**

BSc (UWI), MSc (Lond.), PhD (UWI)  
Senior Lecturer, Zoology  
Freshwater Ecology; The assessment and monitoring of anthropogenic impacts in freshwaters

### **Y. S. Baksh-Comeau**

BSc, MPhil (UWI)  
Curator National Herbarium of T&T;  
Systematics of the vascular flora of Trinidad & Tobago including Plant Ecology; Ethnobotany; Phytogeography; Biodiversity & Conservation

### **V. J. Bowrin**

BSc (UWI), PhD (Purdue)  
Lecturer, Biochemistry  
Pigeon pea flower abscission; Development of a Mono-unsaturated coconut oil

### **G.C. Briggs**

BS (UWI), MSc. (University of Toronto), PhD (McGill), MEd. (UWI)  
Lecturer in Plant Science  
Plant biotechnology

### **B. N. Cockburn**

BSc, PhD (UWI)  
Senior Lecturer, Biochemistry  
Metabolic diseases; Nutritional content of foods

### **A. Deacon**

BA (Oxon), MSc (Bangor), PhD (St Andrews)  
Lecturer, Zoology  
Freshwater ecology

### **E. J. Duncan**

BSc (Lond UCWI), PhD (St. Andrews)  
Professor Emeritus, Botany  
Plant Tissue Culture, Algal Biology, Plant Reproductive Biology

### **W. Elibox**

BSc, PhD (UWI)  
Lecturer, Genetics  
Genetic improvement of anthurium, hotpepper, sugarcane, cocoa, tomato through Breeding and Biotechnology

### **A. Farrell**

BSc (Edinburg); P.Dip., PhD (Trinity College, Dublin)  
Lecturer, Plant Physiology  
Plant Physiology and Ecophysiology, Plantnt Productivity and response to abiotic stresssss; Genotype and environment interactions

### **J. Gobin**

BSc, MPhil (UWI), PhD (Exeter, UK)  
Senior Lecturer, Zoology  
Marine Ecology including Benthic Ecology; Rocky shore fauna & marine invasive species

### **A. Hailey**

BSc (Lond), PhD (Nottingham)  
Professor, Zoology  
Animal Ecology; Behaviour & Ecophysiology; Herpetology

### **T. Halfhide**

BSc (UWI) M.S, Ph.D Lecturer, Environmental Science  
Microalgae diversity

### **R. Haraksingh**

SB (Biology, MIT), SB (Mathematics, MIT), MSc (Yale), PhD (Yale)  
Lecturer, Biotechnology  
Human genetics and genomics

### **J. Jayaraman**

BSc, MSc, PhD (Annamalai)  
Professor, Microbiology and Biotechnology  
Plant-Microbe interactions, Induced Resistance, Plant-Metabolic Engineering, Biopharming, Phyto-nutraceuticals, Seaweed products

### **A. Khan**

BSc, PhD (UWI)  
Senior Lecturer, Plant Sciences  
Integrated Pest Management; Biological Control

### **A. Lennon**

BSc, D.Phil (Sussex)  
Lecturer, Biochemistry  
Plant Respiratory Complexes; IMMUTANS and alternative oxidases; flavonoid biosynthesis in anthurium

### **Mechkarska, Milena**

MSc (SU, Bulgaria), MSc (SMU DDE, India), PhD (WIAS, The Netherlands) Lecturer, Biochemistry  
Antimicrobial proteins, Immunology

### **A. Mohammed**

BSc, PhD (UWI)  
Senior Lecturer, Zoology  
Ecotoxicology; Environmental Pollution Chemistry; Carbon sequestration and GHG emissions monitoring

**L. Rostant**

BSc, (UWI), MPhil (UWI), PhD (University of Florida)  
Lecturer, M.Sc. Co-ordinator;  
Wildlife Biology; Conservation Biology;

**M. P. Oatham**

BSc (Western Aust.), PhD (Kent)  
Senior Lecturer, Plant Sciences  
Forest Ecology and Management

**D.T. Phillip**

BSc, MPhil (UWI), PhD (St. Andrews)  
Lecturer, Life Sciences  
Fisheries Biology and Management; Environmental Microbiology; Coral Reef Ecology, Freshwater Ecology

**I. W. Ramnarine**

BSc (UWI), MSc (Wales), PhD (UWI), MBA (Heriot-Watt)  
Professor, Ichthyology Fisheries Biology and Management; Aquaculture; Aquaponics;  
Fish and Crustacean Biodiversity; Ecology, Behaviour and Evolution of Guppies;  
Wetlands Ecology

**S. Rampersad**

BSc, PhD (UWI)  
Lecturer, Biochemistry  
PR proteins; Plant defense elicitors; Fruit rot disease complex in pumpkins; Vascular wilt in pumpkins

**A. Ramsubhag**

BSc, PhD (UWI)  
Senior Lecturer, Microbiology and Plant Pathology;  
Environmental Microbiology, Microbial Biotechnology

**J. Rouse-Miller**

BSc, MPhil PhD (UWI)  
Lecturer, Plant Sciences  
Plant Tissue Culture; Anatomical and Molecular aspects of pigeon pea abscission

**M. Rutherford**

BSc (Glasgow); MSc (James Cook)  
Museum Curator  
Freshwater molluscs

**DUTIES OF THE APPOINTEES**

Teach undergraduate and postgraduate courses; develop a high quality research programme, supervise undergraduate and postgraduate research students, attract external grant funding for research, assist in curriculum reform, manage teaching and research laboratories.

**QUALIFICATIONS AND AREAS OF SPECIALIZATION****1. Lecturer in Human Health & the Environment**

PhD in a relevant field (Environmental Health, Vector-borne Diseases, Parasitology or Epidemiology)

The applicant must strong interdisciplinary background that includes competencies in molecular and ecological based methods applied to understand relationships among the environment, climate change and human parasites/ pathogens/diseases, with particular emphasis on vector borne diseases.

**2. Lecturer in Zoology**

PhD in Zoology or a related discipline

The applicant must have strong background in Terrestrial Vertebrate Ecology and/or

Behavioural Ecology. Research experience in Biodiversity and Ecosystem Services in the tropics will be an advantage.

**EXPERIENCE**

A track record of scholarly activity, such as postdoctoral research/training and refereed research publications is essential. Experience in securing external research funding, pursuing independent research, managing laboratories and development of university level courses/programmes would be advantageous. Evidence of excellence in teaching, curriculum development and educational technology will be an additional asset.

**PERSONAL ATTRIBUTES**

The Department places high priority on individuals of integrity and who can work well in a team environment. The candidate must have the ability to communicate effectively in both written and spoken English, and willingness to work collaboratively with academic and support staff within the department

## **APPLICATION**

Detailed application (two copies) and full curriculum vitae should be sent to the Campus Registrar, The University of the West Indies, St. Augustine, Trinidad and Tobago, W.I., Fax No. 1-868-663-9684;

e-mail: [HRApplications@sta.uwi.edu](mailto:HRApplications@sta.uwi.edu). Three (3) referees (one of whom should be from your present organization) must be indicated. Application forms can be obtained at <http://www.sta.uwi.edu> in the Faculty & Staff, Job Vacancies section. In order to expedite the appointment procedures, applicants are advised to ask their referees to send their references under CONFIDENTIAL cover DIRECTLY to the Campus Registrar at the above address without waiting to be contacted by the University.

## **REMUNERATION PACKAGE**

ANNUAL BASIC SALARY RANGE:

Senior Lecturer: Minimum: TT\$340,164  
Maximum: TT\$421,704

Lecturer: Minimum: TT\$239,544  
Maximum: TT\$333,456

(US\$1.00 = TT\$6.34)

## **Benefits:**

- Special allowance of 6% of basic salary;
- Transportation Allowance of TT\$3,250 per month;
- Unfurnished accommodation at 10% or furnished at 12½% 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\$20,717 per annum
- Institutional Visit Allowance - TT\$7,200 per annum
- Book Grant TT\$6,000 per annum
- Contributory Health Insurance and Group Life Scheme.

2017 February 27