

6.2.9.2 POSTGRADUATE SUPERVISION:

COMPLETED PH.D THESES SUPERVISED:

1. Omoregie Samson. 1998. "Biotechnological approaches to *Dioscorea* yam improvement" Ph.D. Thesis, University of Benin (Sept. 1993 to 1998). **European Union Exchange student.**
2. Wheatley Andrew. 2000. "Biochemical, physiological and environmental factors affecting the Laboratory to field transfer of *in vitro* derived yam (*Dioscorea* spp.) plantlets" Ph.D. Thesis, University of the West Indies, Mona. (Aug. 1995 to 2000) **Student awarded Commonwealth Scholarship, tenable at Wye College, 1999-2000.**
3. Brown Victor. 2000. "The genetic diversity of dasheens (*Colocasia* sp.) and cocoyams (*Xanthosoma* sp.) and molecular characterization of the common Leaf Blight Disease of dasheen caused by *Xanthomonas campestris*" Ph.D. Thesis, University of the West Indies, Mona (Aug. 1995 to May 2000) **Student awarded Rotary Ambassadorial Scholarship. 1997 – 1998. ht**
4. Grindley Phillip. 2001. "The metabolic effects of the consumption of organic extracts of yam (*Dioscorea cayenensis*) and dasheen (*Colocasia esculenta*) in normal, protein malnourished and streptozotocin-induced diabetic rats. Ph.D. Thesis, UWI, Mona (Aug. 1993 to May 2001).
5. Mullings Keith. 2001. "Effect of storage and processing on levels of cyanoglucosides in Jamaican *Dioscorea* yams" MPhil. Thesis. UWI, Mona (1994 to 2001)
6. Marie McAnuff. 2004. "Analyses on some Yam (*Dioscorea* sp.) Natural products and the Metabolic Effect of Consumption of Bitter yam steroidal saponin extract on lipid metabolism in Streptozotocin-induced diabetic rats" Ph.D. Thesis UWI, Mona (Aug. 1999 to Feb. 2004)
7. Flora Chisholm. 2004. "Effects of interactions of microorganisms on postharvest decay of yam tubers" PhD Thesis, UWI, Mona – was Co-supervisor
8. Odette McKnight. 2005. "In Vitro Analysis of Plant-Microbe interactions involving Dasheen (*Colocasia esculenta*) and *Pseudomonas*" MPhil. Thesis. UWI, Mona (August 2005)
9. Cliff Riley. 2005 "Physiochemical characterization of starches from Jamaican yams (*Dioscorea* spp.) and assessment of their utilization as binders in Paracetamol formulations" Ph.D. Thesis UWI, Mona (October 2005)
10. Lowell Dilworth. 2005. "Anti-nutritional factors in selected Caribbean food crops and the metabolic effects of consumption of sweet potato (*Ipomea batatas*) phytate extract in rats" Ph.D Thesis UWI, Mona (November 2005)

THESIS UNDER EXAMINATION

11. Suzette Curtello. 2006. "Bacterial Infections in Jamaica Poultry Industry: Focus on the epidemiology of *Salmonella*. MPhil Thesis, UWI, Mona.

OTHERS:

1. Oct. 1991 to 1992: Oversaw Max Wellington's **M. Phil.** research project on "Biochemical studies on minisett sprouting and storage of Jamaican yams (*Dioscorea* sp.)" – Biotechnology Centre, UWI.
2. Jan. 1992 to 1994: Oversaw Ingrid Muzac's **Ph.D.** work on the "Biochemical and Molecular characterization of Jamaican yams" Biotechnology Centre, UWI
3. Jan. 1993 to 1995: Oversaw Sylvia Mitchell's **Ph.D.** studies on the "Development of commercial micropropagation system for Jamaican yams" Biotech. Centre

CURRENT POSTGRADUATE STUDENTS:

1. **Lobban Kathleen Ph.D.** "Molecular changes associated with developmental processes in *in vitro* yam (*Dioscorea* sp.) plantlets" **Sept.** 2000 to date
2. **Simone Earle-Barret Ph.D** "DNA fingerprinting and Cultivar identification of 25 varieties of Jamaican Yams" Sept. 2002 to date. Converted to Ph.D studies in June 2004
3. **Melissa Powell Ph. D** "The metabolic effect of the consumption of coat protein transgenic papaya (*Carica papaya*) in rats". Sept. 2001 to date
4. **Perceval Bahado-Singh Ph.D** "Assessment of Glycemic indices of commonly eaten carbohydrate-rich foods of the Caribbean" Sept. 2002 to date. Converted to PhD in December 2004
5. **Dewayne Stennett MPhil.** "Carbohydrate metabolism and antioxidant enzymes in hypercholesterolemic rats fed bitter yam proprietary preparation" Oct. 2003 to date.
6. **Dennis Bailey MPhil.** "Studies on the Jamaican Moonshine Yam (*D. alata*) anthocyanins. Oct. 2002 to date
7. Curtis Green, MPhil "Determination of Polymethoxylated Flavones in peels of selected Citrus cultivars grown in Jamaica and Mexico by High Performance Liquid Chromatography" 2004 to date

6.2.9.3 UNDERGRADUATE SUPERVISION:

- 1992 to Date: Supervised 36 undergraduate Research Laboratory Projects (BC36A & B) in the area of Biochemistry, Molecular biology and Biotechnology at UWI, Mona.
- 1983 to 1990: Supervised over 20 undergraduate projects at the Biochemistry Department, University of Benin, Benin City in Nigeria.

6.2.10 POSTGRADUATE THESES EXAMINED:

- 1996: Odelley L. Henry. Ph.D. Thesis on "Biochemical and Agronomical Studies on Biogonic: An Organic Fertilizer Produced by Rapid Composting of Animal and Plant Waste in Jamaica", Biotechnology Centre, UWI, Mona.
- Sept. 1996 Angela T. Alleyne. M.Phil. Thesis on Studies on Yam Anthracnose Disease, Biological Sciences Dept., UWI, Cave Hill, Barbados.
- July 1998 Laura Ogle. M.Phil. Thesis on Effect of solarization and black plastic mulching on plant/soil nutrients and microbial composition in citrus, coconut, coffee trees and cucumber, Life Sciences Dept, UWI, Mona
- May 2000 Victor D. Brown. Ph.D. Thesis on The Genetic Diversity of Dasheens (*Colocasia* sp.) and Cocoyams (*Xanthosoma* sp.) and the molecular characterization of the Common Leaf Blight Disease caused by *Xanthomonas campestris*, Biochemistry Section, UWI, Mona
- Oct. 2000 Andrew O. Wheatley Ph.D. Thesis on the Biochemical and physiological factors affecting the Lab to Field transfer of *in vitro* derived Yam (*Dioscorea* spp.) plantlets, Biochemistry Section, UWI, Mona
- May 2001 Phillip B. A. Grindley, Ph. D. Thesis on Metabolic effects of extracts of Yam (*D.*

- Cayenensis*) and Dasheen (*C. esculenta*) in streptozotocin-induced diabetic rats, Biochemistry Section, UWI, Mona
- Aug. 2001 Keith Mullings, MPhil Thesis on Effect of storage and processing on levels of cyanoglucosides in Jamaican *Dioscorea* yams, Biochemistry Section, UWI, Mona
- April 2002 Opal Williams. Ph.D. Thesis on Enzyme studies and postharvest technology of Tropical fruits, Biochemistry Section, UWI, Mona
- Sept. 2002 Winston Young. MPhil. Thesis on Molecular characterization of landrace varieties of Red Kidney Beans (*Phaseolus vulgaris L.*) from Jamaica using Random Amplified Polymorphic DNA (RAPD) and SDS-PAGE, UWI, Mona
- May 2003 Sherlene Brown. Ph.D Thesis on Phylogeny and distribution of *Wolbachia pipientis* in *Bemisia tabaci* and its effect on host reproduction, UWI, Mona
- Dec. 2003 Marie McAnuff's Ph.D Thesis on analyses on some Yam (*Dioscorea sp.*) Natural products and the Metabolic Effect of Consumption of Bitter yam steroidal saponin extract on lipid metabolism in Streptozotocin-induced diabetic rats. UWI, Mona
- Mar. 2004 Flora Chisholm's. Ph.D Thesis on effects of interactions of microorganisms on postharvest decay of yam tubers. UWI, Mona
- October 2005 Cliff Riley's Ph.D. Thesis on Physiochemical characterization of starches from Jamaican yams (*Dioscorea spp.*) and assessment of their utilization as binders in Paracetamol formulations, UWI, Mona.
- May/June 2006. Suzette Curtello's MPhil Thesis on Bacterial Infections in Jamaica Poultry Industry: Focus on the epidemiology of *Salmonella*. MPhil Thesis, UWI, Mona.