

**SHARON JAGGERNAUTH**  
3 Kathleen Street, St. James  
Trinidad, WI  
Telephone: (868) 760-1759  
[Sharon.Jaggernaut@sta.uwi.edu](mailto:Sharon.Jaggernaut@sta.uwi.edu)

## **EDUCATION**

---

**Doctoral Student**, (2011-present), The School of Education, The University of the West Indies, St. Augustine, Trinidad and Tobago  
*Specialization*: Education and Mathematics Teacher Education  
**Proposed submission date**: June 30, 2015

**Master of Education**, (2009-2011), The School of Education, The University of the West Indies, St. Augustine, Trinidad and Tobago (Awarded with Distinction)  
*Specialization*: Curriculum

**Diploma in Education**, (2003-2004), The School of Education, The University of the West Indies, St. Augustine, Trinidad and Tobago (Awarded with Distinction)  
*Specialization*: Mathematics

**Bachelor of the Arts**, (1998-2002), The University of the West Indies, St. Augustine, Trinidad and Tobago (Awarded with First Class Honours)  
*Specialization*: Mathematics

## **AWARDS and HONOURS**

---

Best Paper in Session 2015 Clute Institute International Education Conference, January 4 – 8, Maui, Hawaii,

## **PROFESSIONAL EXPERIENCE**

---

### **Lecturer**

The School of Education, The University of the West Indies, **September 2005 – present**  
Involved in research dealing with teacher and teacher education and mathematics education.  
Delivery of lectures and tutorial support in:  
EDTL5230 Practice in Education, In-service Diploma in Education Programme  
EDMA5260 Teaching of Mathematics, In-service Diploma in Education Programme  
EDMA1721 Mathematics Appreciation, Bachelor in Education  
EDMA3902 Trends and Issues in Mathematics Education, Bachelor in Education  
EDMA1902 Mathematics for Primary Teachers, Bachelor in Education  
MATH1140 Basic Introductory Mathematics, Bachelor in Education  
MATH 2100 Abstract Algebra, Bachelor in Education  
MATH2110 Linear Algebra, Bachelor in Education  
EDME 5005 Educational Assessment, Pre-service Diploma in Education Programme

### **Course Developer**

The School of Education, The University of the West Indies, **September 2008 – present**  
Involved in developing courses and course materials for online courses.  
EDMA1721 Mathematics Appreciation (online), Bachelor in Education

EDTL3701 Diagnosis and Remediation of Reading, Writing and Mathematics at the Primary Level  
EDME 5005 Educational Assessment, Pre-service Diploma in Education Programme  
EDRS6208 Fundamentals of Educational Research I, Master of Education Programme

### **Research Supervisor**

The School of Education, The University of the West Indies, **September 2008 – present**

Involved in guiding student research.

EDRS6900 Research Project, Master of Education Programme

EDFA5210 Foundations in Education, In-service Diploma in Education Programme

EDRS5220 Project in the Theory in Education, In-service Diploma in Education Programme

### **Demonstrator**

Department of Mathematics & Statistics, The University of the West Indies, **September 2001 – present**

Involved in providing tutorial support to students and grading assistance to lecturers.

MATH1140 Basic Introduction to Mathematics

MATH2100 Abstract Algebra

MATH2110 Linear Algebra,

MATH3550 Engineering Mathematics

### **Assistant Examiner**

CAPE Mathematics/Applied Mathematics, Caribbean Examination Council, Barbados, **2007 – present**

### **Dean/Teacher III (Mathematics)**

Ministry of Education, Bishop Anstey High School, 145 Abercromby Street, Port of Spain, **October 1997 – July 2008.**

## **PROFESSIONAL CONFERENCE ACTIVITIES**

---

### **National/ International Presentations and Papers – Refereed Proceedings**

Ramjattan, V. & **Jaggernauth, S. J.** (2015). Primary teachers' concerns about garden-based learning as a teaching and learning strategy. *UWI Biennial conference of the UWI Schools of Education 2015. June 1 – 4, 2015.*

Ramnanan, D. & **Jaggernauth, S. J.** (2015). Primary teachers' concerns about the continuous assessment component of the secondary entrance assessment. *UWI Biennial conference of the UWI Schools of Education 2015. June 1 – 4, 2015.*

Teelucksingh-Birju, S. & **Jaggernauth, S. J.** (2015). An investigation into social networking and blogging as a homework resource in CAPE communication studies. *UWI Biennial conference of the UWI Schools of Education 2015. June 1 – 4, 2015.*

**Jaggernauth, S. J.** (2015). Primary school teachers' mathematics anxiety, mathematics teacher efficacy, and mathematics avoidance: The case of Trinidad and Tobago. *2015 Hawaii International Conferences, Honolulu, Hawaii, January 3 – 6, 2015.*

**Jaggernauth, S. J.** (2015). Exploring Teacher Efficacy of In-Service Secondary School Teachers in Trinidad and Tobago. *2015 Hawaii International Conferences, Honolulu, Hawaii, January 3 – 6, 2015.*

- Jaggernauth, S. J.** (2015). Mathematics Anxiety, mathematics Teacher Efficacy, and mathematics avoidance: A study of primary teachers in Trinidad and Tobago. *2015 Clute Institute International Education Conference, Maui, Hawaii, January 4 – 8, 2015. Awarded Best Paper in Session by peer-review process.*
- Jaggernauth, S. J.** & Jameson-Charles, M. (2015). Measuring dimensions of teacher efficacy: The case of in-service Secondary Teachers in Trinidad and Tobago. *2015 Clute Institute International Education Conference, Maui, Hawaii, January 4 – 8, 2015.*
- Jaggernauth, S. J.** (2015). Primary school teachers' mathematics anxiety, mathematics teacher efficacy, and mathematics avoidance: The case of Trinidad and Tobago. *Hawaii International Conference on Education, Honolulu, Hawaii, January 5 – 8, 2015.*
- Jaggernauth, S. J.** (2015). Measuring dimensions of teacher efficacy: The case of in-service Secondary Teachers in Trinidad and Tobago. *Hawaii International Conference on Education, Honolulu, Hawaii, January 5 – 8, 2015.*
- Jaggernauth, S. J.** (2014). Primary teachers' mathematics anxiety and teacher efficacy. *Caribbean Regional Conference of Psychologists 2014 (CRCP2014): Unmasking the Past, Claim our Future, November 10 – 14, 2014, Paramaribo, Suriname.*
- Jameson-Charles, M. & **Jaggernauth, S. J.** (2014). Changes in teacher efficacy beliefs of secondary teachers enrolled in an in-service teacher-training programme. *Caribbean Regional Conference of Psychologists 2014 (CRCP2014): Unmasking the Past, Claim our Future, November 10 – 14, 2014, Paramaribo, Suriname.*
- Jaggernauth, S. J.** (2014). Mathematics anxiety and the primary school teacher's mathematics teacher efficacy beliefs and mathematics avoidance tendencies. *International Conference on Education and New Developments 2014 (END 2014): New Paradigms and Use of ICTs in Education, June 28 – 30, 2014, Madrid, Spain.*
- Jaggernauth, S. J.** (2014). Responses in secondary school mathematics teachers' beliefs about their teacher efficacy after participation in an in-service post-graduate teacher education programme. *Ph.D. seminar on October 28, 2014, School of Education, The University of the West Indies, St. Augustine.*
- Jaggernauth, S. J.** (2013). Responses in secondary school mathematics teachers' beliefs about their teacher efficacy after participation in an in-service post-graduate teacher education programme. *Ph.D. seminar on October 29, 2013, School of Education, The University of the West Indies, St. Augustine.*
- Jameson-Charles, M. & **Jaggernauth, S. J.** (2013). In-service secondary school teacher efficacy. *Biennial Conference: Advancing Education Through a Culture of Inquiry, Innovation, and Indigenization, April 23 – 25, 2013, School of Education, The University of the West Indies, St. Augustine.*
- Jaggernauth, S.** (2013). Mathematics anxiety and the primary school teacher. *Biennial Conference: Advancing Education Through a Culture of Inquiry, Innovation, and Indigenization, April 23 – 25, 2013, School of Education, The University of the West Indies, St. Augustine.*

## PUBLICATIONS

---

### Peer-Reviewed Research Articles

**Jaggernauth, S. J.** & Jameson-Charles, M. (2015). Primary teacher mathematics anxiety, teacher efficacy and mathematics avoidance. In M. Carmo (Ed.), *Education Applications & Developments*, WIARS, Portugal, inScience Press, 45 - 58. Paper available at [http://insciencepress.org/wp-content/uploads/2015/05/ISP\\_Education-Applications-Developments-Book.pdf](http://insciencepress.org/wp-content/uploads/2015/05/ISP_Education-Applications-Developments-Book.pdf)

**Jaggernauth, S. J.** & Jameson-Charles, M. (2015). Exploring Teacher Efficacy of Untrained Secondary Teachers in Trinidad and Tobago. *Caribbean Curriculum*, 23, 23 - 48.

Jameson-Charles, M. & **Jaggernauth, S. J.** (2015). Exploring Teacher Efficacy of In-Service Secondary School Teachers: An Investigation of the Influence of Teacher Variables on Pre-Training Efficacy Beliefs. *The Caribbean Teaching Scholar*, 5 (1), 5 - 24. Available at <http://journals.sta.uwi.edu/cts/index.asp?action=fullTextPermaLink&articleId=523&galleyId=460>

**Jaggernauth, S. J.** (2014). Mathematics anxiety and the primary school teacher's mathematics teacher efficacy beliefs and mathematics avoidance tendencies. In M. Carmo (Ed.). *Proceedings of International Conference on Education and New Developments 2014: New Paradigms and Use of ICTs in Education* (pp. 175 – 179). Lisbon, Portugal, WIARS. Paper available at [http://end-educationconference.org/wp-content/uploads/2014/07/Book\\_END2014\\_ComBookmarks\\_NEW1.pdf](http://end-educationconference.org/wp-content/uploads/2014/07/Book_END2014_ComBookmarks_NEW1.pdf)

### Non- Peer-Reviewed Articles

**Jaggernauth, S. J.** (2004). Why Mathematics? *TUTOR* ( March, 2004).

**Jaggernauth, S. J.** (2004). Teacher Development. *TUTOR* (June, 2004).

**Jaggernauth, S. J.** (2004). Learning Mathematics the Write Way. *TUTOR* (September, 2004).

### Papers in Progress

**Jaggernauth, S. J.** Validating the Teacher Sense of Efficacy Scale for Trinidad and Tobago.

**Jaggernauth, S. J.** An exploratory case study of the experiences of primary school teachers who participated in a blended undergraduate mathematics course.

Jameson-Charles, M. & **Jaggernauth, S. J.** Teacher efficacy and professional development: A study of secondary teachers' teacher efficacy before and after formal teacher-training.

Teelucksingh-Birju, S. & **Jaggernauth, S. J.** An investigation into Social Networking and Blogging as a Homework Resource in CAPE Communication Studies.

Dubay- Ramnanan, D. & **Jaggernauth, S. J.** Primary Teachers Concerns about the Continuous Assessment Component of the Secondary Entrance Assessment.

Ramjattan, V. & **Jaggernauth, S. J.** Primary Teachers Concerns about Garden-Based Learning as a Teaching and Learning Strategy.

## RESEARCH IN PROGRESS

---

Harry, S., **Jaggernauth, S. J.** & Ramsawak-Jodha, N. Understanding teachers' concerns about a curriculum innovation: The case of the continuous assessment component of the secondary entrance assessment in Trinidad and Tobago.

Karandashev, V., Jameson-Charles, M. & **Jaggernauth, S. J.** Cross-cultural sensory experience in interpersonal physical attraction.

Barrow, D., Lochan, S. & **Jaggernauth, S. J.** The extra-lessons phenomenon at the secondary school level in the Caribbean.

---

## **ACADEMIC COMMUNITY INVOLVEMENT and ACTIVITIES**

---

### **Conference Attendee**

The Biennial conference of the UWI Schools of Education 2015. Transforming Education: New Frameworks and Alliances, June 1 – 4, 2015. The University of the West Indies, Cave Hill, Barbados

Hawaii International Conferences, Honolulu, Hawaii, January 3 – 6, 2015.

2015 Clute Institute International Education Conference, Maui, Hawaii, January 4 – 8, 2015.

Hawaii International Conference on Education, Honolulu, Hawaii, January 5 – 8, 2015.

Caribbean Regional Conference of Psychologists 2014 (CRCP2014): Unmasking the Past, Claim our Future, November 10 – 14, 2014, Paramaribo, Suriname.

The Biennial conference of the UWI Schools of Education 2015: Advancing Education Through a Culture of Inquiry, Innovation, and Indigenization, April 23 – 25 2013, School of Education, The University of the West Indies, St. Augustine.

Mathematics Symposium, Mathematics Education in the 21 century: Embracing possibilities, June 21-23, 2012, School of Education, The University of the West Indies, St. Augustine

American Educational Research Association (AERA) Conference, April 21-24, 2011, New Orleans, USA.

National Council of Teachers of Mathematics (NCTM) Conference, April 21-24, 2010, San Diego, USA

### **Conference/Symposium Session Chair**

Paper Session, International Conference on Education and New Developments 2014 (END 2014): New Paradigms and Use of ICTs in Education, Madrid, Spain.

Paper Session, Biennial Conference: Advancing Education Through a Culture of Inquiry, Innovation, and Indigenization, April 23 – 25 2013, School of Education, The University of the West Indies, St. Augustine.

Symposium, Mathematics Education in the 21 century: Embracing possibilities, Mathematics Symposium, June 21-23, 2012, School of Education, The University of the West Indies, St. Augustine

Symposium, Indigenizing research methodology: Benefits and challenges. Biennial Conference: Advancing Education Through a Culture of Inquiry, Innovation, and Indigenization, April 23 – 25 2013, School of Education, The University of the West Indies, St. Augustine.

Symposium, Myths and phobias about mathematics. Mathematics Education in the 21 century: Embracing possibilities, Mathematics Symposium, June 21-23, 2012, School of Education, The University of the West Indies, St. Augustine.

Symposium, The challenges of secondary mathematics. Discussion Forum Chair in Mathematics Education in the 21 century: Embracing possibilities, Mathematics Symposium, June 21-23, 2012, School of Education, The University of the West Indies, St. Augustine.

Workshop, Concept development in mathematics. Mathematics Education in the 21 century: Embracing possibilities, Mathematics Symposium, June 21-23, 2012, School of Education, The University of the West Indies, St. Augustine.

Workshop, Journal writing in mathematics. Mathematics Education in the 21 century: Embracing possibilities, Mathematics Symposium, June 21-23, 2012, School of Education, The University of the West Indies, St. Augustine.

### **Reviewer**

Urban Education (SAGE Publications), May 2013

Caribbean Examination Council Additional Mathematics CSEC syllabus (2011), CAPE Mathematics and Applied Mathematics syllabus (2010)

### **Committee Member**

Biennial Conference Planning Committee: Advancing Education Through a Culture of Inquiry, Innovation, and Indigenization, April 23 – 25 2013, School of Education, The University of the West Indies, St. Augustine

Mathematics Symposium Planning Committee: Mathematics Education in the 21 century: Embracing possibilities, Mathematics Symposium, June 21-23, 2012, School of Education, The University of the West Indies, St. Augustine

School of Education Curriculum Renewal Committee (for renewal of Bachelor of Education, and In-service and Pre-service Diploma in Education programmes, 2009 – present)

School of Education Special Events Committee (for organizing special events at the School of Education, 2011 – present)

School of Education Green Team (for environmental awareness and protection, 2011 – present)

School of Education Diploma in Education Timetable Committee (2010 – present)

Item Writing for the National Certificate of Secondary Education (NCSE) Level I Mathematics, Ministry of Education, Curriculum Development Division (2008).

Item Writing for the Caribbean Advanced Proficiency Examination (CAPE) Applied Mathematics, Ministry of Education, Curriculum Development Division (2007).

Mathematics course content development for National Open School of Trinidad & Tobago Pilot Project Mathematics, Ministry of Education, Curriculum Development Division (2007)

## **ADDITIONAL TRAINING**

---

### **The Centre for Teaching & Learning, The University of the West Indies, St. Augustine.**

Celebrating University Teaching Week: Balancing teaching, research and writing (December 2 – 4 2014)

### **The University of the West Indies, St. Augustine**

SALI7101/8101: Specialized Research Methods (January – May, 2014)

EDRS 6217: Advanced Statistical Methods in Education I (January – April, 2013)

### **Continuing Professional Development Outreach Unit, The University of the West Indies, St. Augustine.**

Mixed Methods Research Workshop facilitated by Prof. Tony Onwuegbuzie and Dr. Cindy Benge (April 14 – 16, 2014)

### **International Institute for Qualitative Methodology (IIQM), Edmonton Clinic Health Academy in Edmonton, Alberta, Canada.**

13<sup>th</sup> Thinking Qualitatively (TQ) Workshop Series (June 17 - 20, 2013)

### **Center for Excellence in Teaching and Learning, The University of the West Indies, St. Augustine**

Setting up myelearning for your course (2009)

Illuminate (2011)

Blended Learning: Creating Audio Podcasts Using Audacity (2012)

Blended Learning: Creating Screencasts Using Camstudio (2012)

An Introduction To Web 2.0 Tools For Teaching And Learning (2012)

Using myeLearning For Teaching And Learning I (2012)

Using myeLearning For Teaching And Learning II (2012)

Using One Note (2012)

Blended Learning: An Introduction to myelearning (2012)

Blended Learning: Emerging Technologies in Education (2012)

Writing for Publication 1: The Writing Process (2012)

Writing for Publication 2: Strategic Approaches to Getting your Work Published (2012)

Research Methodology: Key Considerations in Research (2012)

Google Applications in Teaching and Learning (2013)

Celebrating University Teaching Week 2014: Balancing Teaching, Research & Writing (2014)

### **Real Training, Canterbury Innovation Centre, University Road, Canterbury, UK**

Test User: Educational Ability/Attainment (Certificate of Competency in Educational Testing)  
Awarded by the British Psychological Society (July – October, 2012)

**The Ministry of Education, Curriculum Development Division**

Item Writing, National Certificate of Secondary Education Level I Mathematics (2005).  
Item Writing, Caribbean Advanced Proficiency Examination Applied Mathematics (2007).  
Developed Mathematics course content for National Open School of Trinidad & Tobago Pilot Project (2007)  
Heads of Departments Training Workshop (July –August 2007)  
One-Day Teacher Training Workshop for Teachers of Advanced Level Mathematics, Preysal High School, (October 2004)  
One-Day Teacher Training Workshop for Teachers of Advanced Level Mathematics, Preysal High School, (October 2003)  
The Teaching of Mechanics, University of the West Indies, (July–August 2002).  
The Teaching of Statistics, University of the West Indies, (July–August 2001).  
Using Computers in the Classroom – A Computer Literacy Course, Carapichaima Senior Comprehensive School, (August 2001).

**Professional Development Institute, The International School of Port of Spain.**

Multiple Intelligences: Purposeful Learning through Multiple Intelligences, (Nov 2006)  
Discipline That Builds Self-Discipline – Love & Logic, (July 2006)  
Emotional Intelligence, (September 2006)

**The School Leadership Center of Trinidad & Tobago, Port of Spain**

Summer Institute 2004 – “Take Me To Your Leader”  
Summer Institute 2003 – “No Excuses! – Every Child Can Learn”  
Summer Institute 2001– “Bullies and Victims – Responses to violence in Schools in Trinidad & Tobago”

**Innovative Marketing Consultants, Petite Valley (1994–1995)**

Chartered Institute of Marketing (CIM) Certificate Examinations (Earned credits towards the CIM Certificate in Marketing)

**PROFESSIONAL AFFILIATIONS**

---

American Educational Research Association (2010 - present)  
British Psychological Society (2012 – present)  
Dyslexia Association of Trinidad and Tobago (2012 – present)  
National Council of Teachers of Mathematics (2010 – present)  
Trinidad and Tobago Educational Leadership Management and Administration Society (2011 – present)

**TECHNOLOGY COMPETENCIES**

---

Concept mapping software – Inspiration



Google Apps

Microsoft Office Products – Word, Excel, PowerPoint, Outlook, Publisher, Skype

Statistical analysis software – SPSS, Stata

Online Learning Environments – Moodle, BlackBoard Collaborate

Social Media – Facebook, Blogs, Wikis, Podcast, Twitter

Turnitin

Audio Editing – Audacity

Webpage content management - Wordpress

## **PROFESSIONAL AND PERSONAL COMPETENCIES**

---

Delivering courses via blended and online modes

Facilitating professional development workshops

Organizing, planning, and coordinating events, functions, group projects

Analytic and creative thinking, logical reasoning and problem solving

Leadership and teamwork

Interpersonal intelligence and communication

Intrapersonal intelligence and self-reflection