CURRICULUM VITAE

PROFILE

Dr Priscah Mogotu Omoke holds a doctorate degree in Pure Mathematics. Her areas of research interest are in functional analysis and topology. She is a lecturer at the university engaging in lecturing, supervision of students and research work. Currently, she is the chairperson of the department of Pure and Applied Mathematics in the School of Biological, Physical, Mathematics and Actuarial Sciences, Jaramogi Oginga Odinga University of Science and Technology.

PERSONAL DATA

Name	Dr. Priscah MogotuOmoke
Date of Birth	15 November 1982
Place of Birth	Kisii South, Kisii County
Sex	Female
Nationality	Kenyan
Marital Status	Married
Religion	Christian
Phone Number	Mobile; +254724580275 Or +254738336752
E-mail Address	email; omokepriscah@yahoo.com, pomoke@jooust.ac.ke
Contact Address	School of Biological, Physical, Mathematics and Actuarial Sciences, Jaramogi OgingaOdinga University of Science and Technology, P. O. Box 210-40601, Bondo, Kenya
Present Employer	Jaramogi Oginga Odinga University of Science and Technology, P. O. Box 210-40601, Bondo, Kenya
Language	English, Kiswahili, Ekegusii

EDUCATIONAL BACKGROUND

Year(from-to)	Degree, institution
2016- 2019	**Doctor of Philosophy in Pure mathematics**, JaramogiOgingaOdinga University of Science and Technology, Kenya. Title of Thesis; *Characterization of Similarity orbits of invariant subspaces of norm-attainable operators.*
2014-2015	**Master of Science inPure mathematics**, Kisii University, Kenya. Title of Thesis: *Norm inequalities for contractive normaloid operators.*
Nov-Dec 2012	Introduction to Computer Packages, (Distinction), Kisii Quality College.
2002-2007	**Bachelor of Education Science** (1st class Honours), Egerton University, Kenya.
1997-2000	**Kenya Certificate of Secondary Education**-Mean grade A-(Minus), Limuru Girls, Kenya.
1992-1996	**Kenya Certificate of Primary Education**-Marks (527/700), ItierioGirls, Kenya.
1988-1991	Lower Primary, Itierio Primary School, Kenya.

WORKING EXPERIENCE

Years since	Institution
4th Dec 2019- Date	Lecturer, JaramogiOgongaOdinga University of Science and Technology, Kenya.
10th May 2016-3rd Dec 2019	Tutorial Fellow, JaramogiOgongaOdinga University of Science and Technology, Kenya.
14th Jan 2016- April 2016	Part-time lecture, department of mathematics, Kisii University, Kenya.
1st Sept 2008-April 2016	Teacher, St Paul's Manga Orotuba Secondary School, Kenya.
1st Sept 2007-31st August 2008	Teacher, Sironga Girls Secondary School, Kenya.

DUTIES/RESPONSILITIES

11th May 2020- Date	Ag. Chairperson of the department of Pure and Applied Mathematics

MEMBERSHIP IN PROFESSIONAL BODIES AND SOCIETIES

1. Organization for Women in Science for the Developing World-Kenya **(OWSD-Kenya)**

GRANTS, SCHOLARSHIP, FELLOWSHIPS AND AWARDS

1. L'OREAL-UNESCO for women in science Sub-Saharan Africa regional fellowship -2017, 5000 (Euros).
2. AMMSI Postgraduate scholarship awards -2017, USD 1,000(One thousand USD).
3. NRF Postgraduate scholarship award-2017, 1,190,930 (Kenyan Shilling).

CONFERENCES (PAPERS PRESENTED)

1. 24TH -27TH Jun 2019, Stability of similarity orbits, *3RD Kenyatta University international mathematics conference.*
2. 29TH Feb-1ST Mar 2019, Denseness of similarity orbits in genetics, *2ND Jooust international conference, Kenya.*
3. 30TH Oct-2ND Nov 2018, Denseness of similarity orbits and applications in animal breeding, *2ND Biennial conference on higher education in Kenya.*
4. 27TH-29TH March, 2018, On Denseness of Norm-attainable operators**, *12TH Egerton University International conference and Innovation week, Kenya*
5. 19TH-23RD June, 2017, On maximal essential numerical ranges. *4TH Strathmore International mathematics conference, Kenya,*
6. 29TH-31ST March, 2017, Characterization of norm inequalities for commutators**, *11TH Egerton University International conference and Innovation week*, *Kenya.*
7. 2ND-3RD August, 2016, On norm bounds for orbits of operators. *1ST Kisii University Symposium, Kenya.*

8. 3RD-7TH August, 2015, On conditions for normaloidity of Hilbert Space operators. *3RD Strathmore International mathematics conference, Kenya*

9. 24TH-26TH June, 2015, Certain properties of normaloid operators. *1ST Jooust International scientific conference, Kenya*

10. 16TH-19TH June, 2015, Estimates of norms of contractive normaloid operators. *2ND Kenyatta University International mathematics conference, Kenya.*

WORKSHOPS

1. 5TH-9TH August 2019, Improving 1st year Mathematics and Statistics University Courses Using Digital Technology. *Maseno University, Kenya.*

2. 3RD-5TH July 2019, Commonwealth Digital Education Leadership Training in Action (C-DELTA). *JaramogiOgingaOdinga University of Science and Technology, Main Campus, Kenya.*

3. 24TH-28TH June 2019, Understanding Open Educational Resources. *JaramogiOgingaOdinga University of Science and Technology, Kisumu Campus, Kenya.*

4. 29TH-31ST January 2019, Developing Blended Learning Courses using Moodle. *JaramogiOgingaOdingaUniversity of Science and Technology, Kisumu Campus, Kenya.*

5. 9TH October 2018, JOOUST technology, innovation support centre training on access to online patent and non-patent information , database search, monitoring technology and competition, basic IP laws. *JaramogiOgingaOdinga University of Science and Technology, Main Campus, Kenya*

6. 24TH-28TH September 2018, Statistical computing and data analysis with R and SPSS. *.JaramogiOgingaOdingaUniversity of Science and Technology, Main Campus, Kenya.*

7. 26TH-27TH June 2018, Pedagogical skills. *JaramogiOgingaOdinga University of Science and Technology, Main Campus, Kenya.*

PUBLICATIONS (PAPERS)

1. **P. O. Mogotu**, B.N. Okeloand OmoloOngati, *On compactness of similarity orbits of norm-attainable operators*, Int. J. math. And Appl, 7(2)(2019), 13-21.

2. **P. O. Mogotu**, B.N. Okelo, and OmoloOngati, *On denseness of similarity orbits of norm-attainable operators*, Int. J. Adv. Appl. math. andMech, 6(4)(2019), 14-21.

3. N.B. Okelo and **P. O. Mogotu**, *On Norm Inequalities and Orthogonality of Commutators of Derivation*, arXiv preprint arXiv: 1903. 10358, 2019-arxiv.org

4. N. B. Okelo and **P.O. Mogotu**, *Norm bounds for contractive normaloid operators*, J. Global Research in math. Archives, [04] [09] (2017), 7-12.

5. N. B. Okelo and **P.O. Mogotu**, *New conditions for contractivity of normaloid operators*, J. Global Research in math. Archives, [04] [09] (2017), 1-6.

6. B.N.Okelo, **P.O. Mogotu**, SabasiOmaoro and C. Rwenyo, *Generalization in metric spaces*, General Scientific Researches, [04] [01] (2016), 1-4.

7. **P.O. Mogotu** and B.N. Okelo, *Reverse inequalities for the normaloid operators,* International Journal of Academic Studies, [01] [01] (2015), 56-59.

8. **P. O. Mogotu**, B. N. Okeloand JKerongo, *Certain properties of normaloid operators*, Journal of Advanced Mathematics, [01][01] (2015), 16-18.

9. **P. O. Mogotu**, B.N. Okelo and SabasiOmaoro, *Generalization on contractive mappings in metric spaces,* Journal of Advanced Mathematics, [01] [01] (2015), 1-3.

10. B.N Okelo, SabasiOmaoro**, P.O. Mogotu** and C. O Rwenyo, *On Semi-group of operators and Dynamical Systems*, International Journal of Applied Science and Mathematics, [01][02] (2014), 36-39.

11. J.P.Akello, **P.O. Mogotu**, SabasiOmaoro, C.O, Rwenyo *and* B.N Okelo, *On Characterization of Posinormal operators and their applications in Quantum mechanics*, Global Journal of Advanced Research , [01] [02] (2014), 212-221.

PREFESSIONAL SERVICES
Examiner of Mathematics Kenya National Examination Council: 2013-2016.

MASTERS SUPERVISION

1. **Elijah Nguli Musyoki**
   Title of Thesis: On Compactification of Semi-normal spaces
   Program: Msc in Pure Mathematics
   Institution: Jaramogi Oginga Odinga University of Science and Technology, Kenya
   Status: Ongoing.

2. **Otieno Dancan Onyango**
   Title of Thesis: On Extended Eigenvalues and Eigenvectors for Derivations
   Program: Msc in Pure Mathematics
   Institution: Jaramogi Oginga Odinga University of Science and Technology, Kenya
   Status: Ongoing.

REFEREES

1. Prof.Omolo Ongati
   Department of Pure and Applied Mathematics
   Jaramogi Oginga Odinga University of Science and Technology,
   Box 210-40601, Bondo-Kenya.
   Email: nomoloongati@gmail.com

2. Prof. Benard Okelo
   Department of Pure and Applied Mathematics
   Jaramogi Oginga Odinga University of Science and Technology,
   Box 210-40601, Bondo-Kenya.
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3. Dr.Joash Kerongo
   Department of mathematics
   Kisii University
   Box 408-40200, Kisii-Kenya
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