

MASTER OF SCIENCE IN ANALYTICAL CHEMISTRY

1. MS/ACH/4316/20 OMARA, Timothy

DOCTOR OF PHILOSOPHY IN ANALYTICAL CHEMISTRY

1) PHD/ACH/2/18 ODERO, M. Peter

THESIS TITLE:

Dyeing properties of natural dyes from *Prosopis juliflora* and *Aloe succotrina* and evaluation of remediation potentials of their waste Biomass.

SUPERVISORS:

Prof. Ambrose Kiprop,
Department of Chemistry & Biochemistry,
Moi University.

Dr. Isaac K'Owino,
Department of Chemistry & Biochemistry,
Moi University.

Dr. Milton Arimi,
Department of Chemical & Process Engineering,
Moi University

PUBLICATIONS:

Mark Peter Odero, Ambrose Kipchumba Kiprop, Isaac Odhiambo K'Owino, Milton Arimi, Scolastica Manyim. Evaluation of dyeing properties of natural dyes extracted from the heartwood of *Prosopis juliflora* on cotton fabric, doi 10.1108/RJTA-06-2020-0058

Odero Mark, Kiprop Ambrose, K'Owino Isaac, Arimi Milton, Maiyo Bernard. Optimization of Dyeing Process Parameters For Dyeing of Cotton Fabric Using Extracts of *Aloe Succotrina*, Annals of the university of Oradea fascicle of textiles, leatherwork, <http://dx.doi.org/10.14233/ajchem.2013.14202>

Mark Peter Odero, Ambrose Kipchumba Kiprop, Isaac Odhiambo K'Owino, Milton Arimi. Phytochemical screening, Total Phenolic Content, Total Flavonoid Content and GC-MS evaluation of crude acetonc extracts of *Prosopis juliflora*, doi : 10.5530/pj.2018.1.22

THESIS TITLE:

Experimental and computational modelling of molecular products from the thermal degradation of Tobacco, Marijuana and Khat.

SUPERVISORS:

Prof. Fredrick Kengara,
Department of Chemistry & Biochemistry, Moi
University.

Dr. Jackson Cherutoi,
Department of Chemistry & Biochemistry,
Moi University.

Prof. Joshua Kibet,
Department of Chemistry,
Egerton University.

PUBLICATIONS:

Micah Omari, Joshua Kibet, Jackson K. Cherutoi, Fredrick O. Kengara. A review of tobacco abuse and its epidemiological consequences. Journal of Public Health: From Theory to Practice <https://doi.org/10.1007/s10389-020-01443-4>

Micah Omari, Joshua Kibet, Jackson K. Cherutoi, Fredrick O. Kengara. Current Trends in the Use of Cannabis sativa: Beyond Recreational and Medicinal Applications. Open Access Library Journal 2021, Volume 8, e7132 ISSN Online: 2333-9721 ISSN Print: 2333-9705.

Micah Omari, Joshua Kibet, Jackson K. Cherutoi, Fredrick O. Kengara. Contemporary Trends in the Use of Khat for Recreational Purposes and Its Possible Health Implications. Open Access Library Journal 2020, Volume 7, e6985 ISSN Online: 2333-9721 ISSN Print: 2333-9705.

This was approved by the Graduate Board of Examiners of the SCHOOL OF SCIENCES AND AEROSPACE STUDIES at a meeting held on 28th October, 2021.

DOCTOR OF PHILOSOPHY IN BIOSTATISTICS

1) DPS/PHD/002/16 KIPLIMO, Richard Kibet

THESIS TITLE:

Longitudinal-survival model for case based Tuberculosis progression.

SUPERVISORS

Prof. Joseph Koske
Department of Mathematics, Physics & Computing,
Moi University

Dr. Mathew Kosgei
Department of Mathematics, Physics & Computing,
Moi University

Prof. Ann Mwangi
Department of Mathematics, Physics & Computing,
Moi University

PUBLICATIONS

Richard Kiplimo, Mathew Kosgei, Ann Mwangi, Elizabeth Onyango, Morris Ogero and Joseph Koske, Longitudinal-Survival models for case-based Tuberculosis progression. *Frontiers in Public Health* www.frontiersin.org, April, 2021; doi: 10.3389/fpubh.2021.543750.

Richard Kiplimo, Ann Mwangi, Mathew Kosgei, Elizabeth Onyango, Joseph Koske, Sputum conversion as a predictor to treatment outcome in Tuberculosis control in Kenya. *International Journal of Science and Research (IJSR)* ISSN 2319-7064 SJIF (2018): 7.426.

2) DPS/PHD/14/13. KABUE, Timothy Gichuki

THESIS TITLE:

Second order optimal rotatable design in four dimensions and its application of Ethanol yield using Pineapple peels.

SUPERVISORS

Prof. Joseph Koske
Department of Mathematics, Physics & Computing,
Moi University

Prof. John Mutiso
Department of Mathematics, Physics & Computing,
Moi University

PUBLICATIONS

Kabue Timothy Gichuki, Koske Joseph, Mutiso John, The D-, A-, E- and T-optimal Values of a Second Order Rotatable Design in Four Dimension Constructed Using Balanced Incomplete Block Designs.

Kabue Timothy Gichuki, Koske Joseph, Mutiso John, Modelling Effects of Process Variables During Fermentation of Pineapple Peels Using Yeast for Ethanol Production Using a Second Order Optimal Rotatable Design in Four Dimensions. www.iiste.org *Mathematical theory and modelling* ISSN 2224- 5804 (Paper) ISSN 2225-0522 (Online) Vol.10, No.6, 2020.

3) PHD/BS/07/17 NYAKUNDI, Cornelious Omwando

Thesis Title:

Design and Analysis of two-treatments, five-period cross-over designs.

SUPERVISORS:

Prof. Joseph Koske
Department of Mathematics, Physics & Computing,
Moi University

Prof. John Mutiso
Department of Mathematics, Physics & Computing,
Moi University

Dr. Isaac Tum
Department of Mathematics, Physics & Computing,
Moi University

PUBLICATIONS:

NYAKUNDI Cornelious Omwando, Joseph Kipsigei Koske, John Muindi Mutiso, Isaac Tum Kipkosgei, Five- periods cross-over designs. *International Journal of Current Research* Vol. 13, Issue, 03, pp.16679-16683, March, 2021 DOI: <https://doi.org/10.24941/ijcr.40373.03.2021>.

NYAKUNDI Cornelious Omwando, Isaac Kipkosgei Tum, Bayesian Analysis of an Optimal Five Period Cross over Design. *Journal of Scientific Research & Reports* 27(9): 123-130, 2021; Article no.JSRR.74000 ISSN: 2320-0227

NYAKUNDI Cornelious Omwando, Joseph Kipsigei Koske, John Muindi Mutiso, Isaac Tum Kipkosgei, Mathematical Analysis of a Five Periods Crossover Design for Two Treatments. *Journal of Biostatistics and Epidemiology J Biostat Epidemiol.* 2021; 7(1):48-59 pISSN: 2383-4196 eISSN: 2383-420X.

4) DPS/PHD/08/13

NJOROGE Elizabeth Wambui

Thesis Title:

Optimization of plinth concrete mix using quad-axial weighted simplex centroid designs and second degree Kronecker model..

Supervisors

Prof. Joseph Koske

Department of Mathematics, Physics & Computing,
Moi University

Prof. John Mutiso

Department of Mathematics, Physics & Computing,
Moi University

PUBLICATIONS

Njoroge Elizabeth Wambui, Koske Joseph, Mutiso John, D- and G- Optimal Axial Slope Designs for Four Ingredient Mixture. Applied Mathematics and Physics, 2020, Vol. 8, No. 1, 20-25, <http://pubs.sciepub.com/amp/8/1/4>, DOI:10.12691/amp-8-1-4.

Njoroge Elizabeth Wambui, Koske Joseph, Mutiso John, I-Optimal Axial Designs for Four Ingredient Concrete Experiment. American Journal of Theoretical and Applied Statistics 2021; 10(1): 32-37 <http://www.sciencepublishinggroup.com/j/ajtas> doi: 10.11648/j.ajtas.20211001.15 ISSN: 2326-8999 (Print); ISSN: 2326-9006 (Online).

1. BACHELOR OF SCIENCE IN ACTUARIAL SCIENCE

FIRST CLASS HONOURS

1. ACS/1011/17 KHAMIS, Abdulmalik Mohamed
2. ACS/24/13 KINARA, Daniel Ogechi
3. ACS/01/17 MILLICENT, Okuku Aluoch
4. ACS/20/17 OKETCH, W. Olang

SECOND CLASS HONOURS (UPPER DIVISION)

1. ACS/1001/17 GITAMO, Gadvin Ogechi
2. ACS/31/17 HASHIM, Abdulkadir Hashim
3. ACS/12/17 KOSGEI, Stewarts
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6. ACS/1008/16 MUTHONI, Alex Karanja
7. ACS/24/17 ONG'ALE, V. Alwanga
8. ACS/26/17 OPELA, Sandra Odhiambo
9. ACS/27/17 OTIENO, Calleb
10. ACS/28/17 ROTICH, Kipronoh Filex
11. ACS/1017/16 SHUNGEYA, Duncan Nkeseiyian
12. ACS/29/17 SUKAYNA, Abdallah Ali
13. ACS/30/17 WANJALA, Edwin Simiyu

SECOND CLASS HONOURS (LOWER DIVISION)

1. ACS/32/17 ARGUT, Collins Cheboiwo
2. ACS/1013/13 CHUMBA, Nicholas Cheruiyot
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6. ACS/1003/16 OKASIBA, Joseph Oworo
7. ACS/1012/16 OKIKI, David Odoyo
8. ACS/21/17 OKUMU, Bonface Oyondi
9. ACS/22/17 OMUKALA, Dickson
10. ACS/25/15 SUTGO, Elvis Kiprono

2. BACHELOR OF SCIENCE IN APPLIED STATISTICS WITH COMPUTING

FIRST CLASS HONOURS

1. AST/1002/17 MATHENGE, Mugure Bernice
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SECOND CLASS HONOURS (UPPER DIVISION)

1. AST/03/17 CHEBOR, Kipchumba Syllus
2. AST/05/17 IMALI, Mercy
3. AST/06/17 JEPCHUMBA, K Caroline
4. AST/08/17 KABOCHI, Julius Kababii

5. AST/10/17	KANDA, Brian Kiprono
6. AST/11/17	KEMBOI, Kipkosgei Vincent
7. AST/12/17	KIBET, Martin Too
8. AST/13/17	KIGUNDA, Clifford Mwenda
9. AST/15/17	KIMITEI, Viola Jemutai
10. AST/16/17	KIPKOECH, J. Jackline
11. AST/12/16	KIPROTICH, Evans Tarkwen
12. AST/IS/01/17	KUOL, Maper Alier
13. AST/1003/17	MANDELA, Edwin
14. AST/21/17	OKEBIRO, Job Omosa
15. AST/29/17	RORAT, Lenkoko Cylus
16. AST/0042/14	VERONICA Linda Wanjiku
17. AST/1003/15	WEKESA, M Elvin

SECOND CLASS HONOURS (LOWER DIVISION)

1. AST/1003/16	ALEX, Lilian Museveki
2. AST/02/17	AMTALLA, Nekesa Sharon
3. AST/04/17	CHEROTICH, Naomi
4. AST/23/16	KIPCHIRCHIR, Abednego
5. AST/31/16	MAUGO, Obare Wilson
6. AST/34/17	MWEVETSI, Fam
7. AST/0033/14	OGUTU, Patrick Charlson
8. AST/20/17	OHURU, Ruth Bosibori
9. AST/26/15	OMEGO, O. Kennedy
10. AST/53/16	OSONGO, Clifford Oluoch

3. BACHELOR OF SCIENCE IN BIOCHEMISTRY

SECOND CLASS HONOURS (UPPER DIVISION)

1. BIO/21/17	CHEPCHIRCHIR, Patience
2. BIO/06/17	KANYINGI, Debby Nyambura
3. BIO/07/17	KERONGO, Nyamwega Fred
4. BIO/08/17	KINGORI, Damaris Nyagaki
5. BIO/03/17	MUNYASA, Irene Asalika
6. BIO/18/17	MWITHI, Munene Antony
7. BIO/20/17	NYANGWESO, Job Onkwani
8. BIO/1006/17	OKELLO, Oscar Odhiambo
9. BIO/1004/17	ONGERA, Robina Nyanchama
10. BIO/1002/16	OUSA, Gordon

SECOND CLASS HONOURS (LOWER DIVISION)

1. BIO/1002/17	KIPROTICH, Kibet Lewis
2. BIO/11/17	MATARA, Momanyi Benard
3. BIO/1005/17	MULWOTO, Tracy Diana
4. BIO/14/17	MUREGA, Benvictor Muthomi
5. BIO/17/17	MWENDWA, Agnes Mwende
6. BIO/0020/16	OMONDI, Ochieng David

4. BACHELOR OF SCIENCE**SECOND CLASS HONOURS (UPPER DIVISION)**

1. SC/02/17	AKOTH, Rita Juma
2. SC/22/17	ALUOCH, Jeniffer
3. SC/14/17	CHEBIWOT, Irine
4. SC/1001/17	JEPOTIP, Tereza
5. SC/34/17	KAUNDA, Mary Mutheu
6. SC/35/17	KEMBOI, Jeptoo Brendah
7. SC/37/17	KIBUTU, David Kuria
8. SC/39/17	KILETENY, Esther Naanyu
9. SC/61/17	MAINA, Naomi Wanjiku
10. SC/66/17	MBINYA, Cynthia Kavivi
11. SC/68/17	MOKAYA, Victor Mokaya
12. SC/136/17	MUISYO Tony Wambua
13. SC/82/17	MWAMUMBO, Silas Rai
14. SC/84/17	MWANGI, J. Mwaura
15. SC/90/17	NGUI, Elijah Nthiwa
16. SC/94/17	NJUKI, Festo Mutembe
17. SC/97/17	NYAGA, Thagui Stephen
18. SC/153/17	NYAMBASO, Elizabeth Moraa
19. SC/101/17	NYANG'AU, Momanyi Bismark
20. SC/158/17	NZUKI, James Nyamai
21. SC/105/17	OCHIENG', Philip Onyango
22. SC/115/17	OMONDI, Stacy Atieno
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25. SC/141/17	WANGILA, N. Lydiah
26. SC/145/17	WANJIHIA, Eliud Kamau
27. SC/156/17	WANJIKU, Joyce

SECOND CLASS HONOURS (LOWER DIVISION)

1. SC/03/17	ALUOCH, Jedida Okello
2. SC/04/17	AMUNYA, Norah Isiji
3. SC/09/17	BADRU, Sara
4. SC/10/17	BARAGU, Wanjira Sylvia
5. SC/157/17	CHEGE, Eric, Rigii
6. SC/27/17	JEROP, Daisy
7. SC/43/15	KALUHI, W. Sharon
8. SC/041/16	KIBWANA, E. Joseph
9. SC/152/17	KIHARA, Felista Njoki
10. SC/43/17	KIMUTAI, Brian
11. SC/166/17	KIMUTAI, Ibrahim Kirui
12. SC/161/17	KIPNGENO, Victor

13. SC/169/17	KOROS, Kibet Aron
14. SC/56/17	LITALI, Felix
15. SC/62/17	MAKENA, Rose Wambua
16. SC/071/16	MAKWATO, B. Anthason
17. SC/072/16	MALENYA, S. Timothy
18. SC/64/17	MASIKONTE, Koitamet
19. SC/0172/14	MAURICE, Onyango Diang'a
20. SC/70/17	MUTHYA, S. Ndanu
21. SC/72/17	MUNYASIA, N. Rael
22. SC/74/17	MURAGURI, Charles Mwathi
23. SC/20/15	MUTHINA, David Mirriam
24. SC/80/17	MUTUNE, D. Mweu
25. SC/86/17	MWANGI, Mercy Njeri
26. SC/160/17	NGALA, Akinyi Rehema
27. SC/104/17	OBOI, Annaklet Charles
28. SC/107/17	ODHIAMBO, Mary Eileen
29. SC/125/13	OGARO, JUSTUS NYAMWAYA
30. SC/159/17	OMOLO, Diana Achieng
31. SC/178/14	OMONDI, AMBROSE
32. SC/142/16	OMONDI, Victor
33. SC/116/17	OMWOYO, Stephen Makwae
34. SC/117/17	ONDIEKI, Kevin Kim
35. SC/144/16	ONDIWA, Meshack
36. SC/120/17	OOGA, Venah Maeri
37. SC/122/17	OTIENO, Esther Adhiambo
38. SC/152/16	OTIENO, Scolastica
39. SC/179/16	OYWAYA K Ronald
40. SC/133/17	SIMIYU, Emma Mukhwana
41. SC/163/17	SIMON, Nderitu Mutarikia
42. SC/138/17	TUKIKO, Sadia Otieno
43. SC/151/05	WAHITO Edward Kinywa
44. SC/140/17	WAMAITHA, Mwangi Benson
45. SC/144/17	WANJALA, M. Lawino
46. SC/147/17	WARUINGI, Kevin Wamwea
47. SC/174/16	WEKESA, Calistars Wabomba
48. SC/150/17	WESONGA, M Hassan

5. BACHELOR OF SCIENCE WITH EDUCATION

FIRST CLASS HONOURS

1. BSE/61/17	MWENDA, Titus Salesio
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SECOND CLASS HONOURS (UPPER DIVISION)

1. BSE/02/17	AGWATA, Nyang'Ute Zacharia
2. BSE/12/17	CHERUIYOT, K. Evans
3. BSE/16/17	GURUBA, Yawa Joel
4. BSE/17/17	IHAJI, Alphonc Mavia
5. BSE/18/17	IRERI, Karani Collins

6. BSE/91/17	KEMBOI, Charity Jepchumba
7. BSE/25/17	KEMUNTO, Machome
8. BSE/26/17	KIMUTAI, Elvis
9. BSE/34/17	KOECH, Kiplangat Nicholas
10. BSE/51/17	MULI, Stephen Wambua
11. BSE/55/17	MUTEMBEI, Lewis
12. BSE/95/17	MUTUA, Hellen Mbet
13. BSE/58/17	MWAKESI, Jephy
14. BSE/71/15	MWALEWA, Umazi Gladys
15. BSE/63/17	NDEJE, Ulda Achieng
16. BSE/64/17	NDOMA, Paul Kilonzo
17. BSE/65/17	NDUMI, S. Mwangangi
18. BSE/70/17	OMARI, Nyabuto Dominic
19. BSE/82/17	WAJEWAWA, Atieno Effy
20. BSE/86/17	WANYAMA, Brenda Joan
21. BSE/87/17	WASHE, Halima Kwekwe

SECOND CLASS HONOURS (LOWER DIVISION)

1. BSE/1000/17	ADISA, FAITH
2. BSE/0002/16	ANARI, Redemter Nyatichi
3. BSE/08/17	CHEBOTIBIN, C. Joshua
4. BSE/10/17	CHEPNGETICH, Lilian
5. BSE/99/17	CLIFFORD, Onderi Nyangau
6. BSE/97/17	EBEL, Odero Wakinda
7. BSE/102/14	JOSEPH, Tracy Desma
8. BSE/22/17	KASILI, Nakitare Brian
9. BSE/24/17	KAZIGA, Shirley
10. BSE/29/17	KIPROTICH, Bett Denis
11. BSE/30/17	KIPROTICH, Gibling
12. BSE/32/17	KIPTALAM, Lagat Andrew
13. BSE/98/17	KIPYEGON Dickson C.
14. BSE/93/17	KORIR, K. Mathew
15. BSE/90/17	LOICE, Jemtai
16. BSE/37/17	LUGAI, Mutumbi Clinton
17. BSE/42/17	MANANGOI, Mike Olonana
18. BSE/07/17	MASITSA, Celestine Adongo
19. BSE/45/17	MAWEU, Peter Maundu
20. BSE/47/17	MBUYA, Kenneth Macharia
21. BSE/96/17	MISHECK, Munene
22. BSE/48/17	MITEMA, O. Erick
23. BSE/49/17	MUIRURI, Faith Wanjiru
24. BSE/52/17	MUNYUA, Gladys Wanjiru
25. BSE/57/17	MUYALE, K Aggrey
26. BSE/1004/15	NDALUT, Eliud Kosgei
27. BSE/0030/14	NDERITU, Tabitha Wanjiru
28. BSE/71/17	ONDAGO, Rodgers Owuor
29. BSE/73/17	OOKO, Joseph Atonga

30. BSE/74/17	OPIYO, James Orengo
31. BSE/0091/16	OUKO, Erick Odhiambo
32. BSE/79/17	SITATI, Wafula Benard
33. BSE/83/17	WALEKHTWA, W Edmond
34. BSE/1002/17	WANDERA, Valentine Atieno
35. BSE/59/15	WANGILA, W Isaiah
36. BSE/88/17	WECHENJE, Abraham Kalibo
37. BSE/89/17	ZIMBU, Alii Idd

6. BACHELOR OF SCIENCE IN COMPUTER SCIENCE

SECOND CLASS HONOURS (UPPER DIVISION)

1. COM/01/17	AMIGO, Thoya
2. COM/03/17	GITHENYA, Stephen Kimani
3. COM/05/17	KABUGI, Susan Mwhaki
4. COM/06/17	KARIMI, Christine
5. COM/07/17	KIHARA, Evanson Mbuthia
6. COM/08/17	KILIMO, Kemboi Lewis
7. COM/09/17	KIRUBI, Victor Kimingi
8. COM/10/17	KITHINJI, Munene Charles
9. COM/14/17	MBAABU, Judynelly Ntinyari
10. COM/15/17	MBARANI, Derrick Kadivilla
11. COM/16/17	MUKOTSO, M Kelvin
12. COM/18/17	MWAKIACHA, Antony Wugoma
13. COM/19/17	NJOGA, Diana Achieng
14. COM/21/17	NYAKAMBA, Gavin Nyamboga
15. COM/23/17	OKUSI, Robert G. Wilford
16. COM/24/17	OKWAKO, Antony
17. COM/40/16	OMONDI, Okundi Tylene
18. COM/26/17	ONCHURU, William Mongare
19. COM/31/17	TWENYE, Tabu Juma
20. COM/33/17	WASAGA, Elisha Opiyo

SECOND CLASS HONOURS (LOWER DIVISION)

1. COM/02/17	CHEPKONGA, Eric Kibor
2. COM/1006/17	CHEPTORUS, K Moses
3. COM/1007/16	CHERUIYOT, Ian Kiplimo
4. COM/1020/17	JEMUTAI, Gloria
5. COM/1010/17	KENNETH, Otieno
6. COM/11/17	LENNY, Dennis Macharia
7. COM/1013/17	MUSHORI, S Kamau
8. COM/1015/17	MUSYOKI, Ernest Muisyo
9. COM/17/17	MUTUKU, Solomon Mbatha
10. COM/29/17	SAMOEI, Caroline Chepkemioi

7. BACHELOR OF SCIENCE IN MICROBIOLOGY

FIRST CLASS HONOURS

1. MIC/05/17 KIAMA, Ndirangu Jackson

SECOND CLASS HONOURS (UPPER DIVISION)

1. MIC/03/17 GATITU, Kelvin Kagia
2. MIC/04/17 KAINGA, Vincent Mugendi
3. MIC/10/17 MBUJIRA, Collins
4. MIC/14/17 MULUSA, M Linnley
5. MIC/27/17 OSIMBO, Makokha Hazel
6. MIC/21/17 OWINO, Marion Olilo
7. MIC/23/17 SAID, Mwanahamisi Bakari
8. MIC/0021/16 SILA, Patrick

SECOND CLASS HONOURS (LOWER DIVISION)

1. MIC/02/17 KIBET, David
2. MIC/17/17 OLOO, O. Denish

8. BACHELOR OF SCIENCE IN AEROSPACE SCIENCE & OPERATIONS (PROFESSIONAL PILOT)

SECOND CLASS HONOURS (UPPER DIVISION)

1. ASP/1012/12 NDUMIA, Gichangi Evans