PROVISIONAL LIST: ABSTRACTS ACCEPTED FOR PRESENTATION IN THE 7TH RVTTI INTERNATIONAL TVET AND INTERDISCIPLINARY CONFERENCE

TRACK 1: Foundations for Greening TVET: Best Practices & Case Studies (RVTTI- UNEVOC CENTRE PROJECT - Paper Competition Africa)

   Aurelia Atukwase
   Kyambogo University, Kampala, Uganda

2. Assessing the Implementation of Institutional Environmental Policy at Thika Technical Training Institute, Kiambu County, Kenya
   Daniel Kirogo Wahungu & Gladwin Gakenia Gitau

3. A case study of green technology policy and pedagogical readiness towards sustainable developments and Greening of TVET institution in Kenya
   Tirus Muya Maina
   Murang’a University of Technology, Murang’a, Kenya

   George Afeti (Dr-Ing.)
   Chair, African Union TVET Expert Group

5. Application of the Dialogic Theory of Public Relations to Embed a Greening Culture in Waste Management in TVET Institutions
   John H. Gekonde
   Kisii National Polytechnic, Kenya

6. Trends Greening TVETs in Kenya, the Challenges, Issues and Opportunities Best Practices and Case Studies
   June Karea
   Michuki Technical Training Institute

   Lidigu Sebastian Shikoli, Maren Omondi
   Shamberere Technical Training Institute, Kenya

8. Natural Resource Management in Greening TVET for Environmental Sustainability: A Case Study of Wote Technical Training Institute
   Lydia N. Mburia
   Wote Technical Training College, Makueni County, Kenya

9. The Impact of Sodium and Potassium Based Soaps and Detergents on Environment Nutrient Loading in in Busia County, Kenya
   Mercy Okwaro & Shaban Namatsi
   Bumbe Technical Training Institute, Busia – Kenya

10. Green Campus Awareness: A Case of Masai Technical Training Institute Kajiado, Kenya
    Ms. Millicent Awuor Onyango & Ms. Lydia Gwendo
    Masai Technical Training Institute, Kajiado

11. Greening TVET during Rainy Seasons using E-shoe Sole
    Raphael Murei,
    Eldoret National Polytechnic, Kenya

12. Solar Technology Transfer the Inhibiting Factor a Historical Study of Kenya
    Ruth Ongachi
    Kitale National Polytechnic & JKUAT, Kenya
   Simiyu Judith
   Kitale National Polytechnic, Kenya, Kitale

   Bozo Jenje Bozo & Kennedy Mga Chilibasi
   Technical University of Mombasa

15. Challenges Facing the Implementation of Past Resolutions on ‘Greening’ Technical and Vocational Education Training (TVET)
   Jones K. Bungei

   Lucy Kimani & Dr. Hannah Kiariitha
   The Kabete National Polytechnic, Nairobi

17. Challenges, Issues and Opportunities in TVET
   Abdullahi Ahmadu Adamu.
   Niger State Collage of Education, Minna, Nigeria

   1Forrester O. Odongo, 2Victor Wasike & 3Oyoo E. Maurice
   1Shamberere Technical Training institute, 2Kenya Agricultural and Livestock Research organization & 3Egerton University Kenya

   Titus Musyimi
   RVTTI, Eldoret

20. TVET Responsiveness to Climate Change and Globalization: The Case of Greening TVET through Competence – Based Education & Training Programmes in Kenya
   Tom Nyakundi & Manoah Jahonga
   The Sigagalaga National Polytechnic

   Ngunjiri, Elijah1 Wanjau, Lawrence2 and Omondi, Humphrey3
   1Shamberere Technical Training institute, 2Kenya Agricultural and Livestock Research organization & 3Egerton University Kenya

TRACK 2: TVET in Enhancing Sustainable Development

1. Research Methods and Methodologies in in SDGs
   1Esther Chepsiror, 1Salina C. Selem & 2Joan Jepchirchir
   1The Catholic University of Eastern Africa & 2Moi University

   Ogola Pharel Omondi
   Pwani University

3. Assessing the Preparedness of TVET Institutions to the Adoption of Competency Based Curriculum: Case of Thika Technical Training Institute, Kiambu County, Kenya
   Felister Wanyaga Munyi & Mary Micheni
   Thika Technical Training Institute, Thika, Kenya
4. Strategies for Promoting Vocational Skills Development among Street Kids of Northern Nigeria: Implications for Sustainable Development
   Lawrence Femi Ademiluyi, PhD
   Kwara State University, Malete, Kwara State, Nigeria

5. Effect of Inadequate Welding Training on Green Technology in Kenyan Welding Sector
   Nicholas Kalum and John Kikwai
   Rift Valley Technical Training Institute, Kenya

6. Repositioning TVET institutions in view of the post-2015 sustainable development goals
   Dickens O. Odum
   Coast Institute of Technology

7. Challenges Facing the Entry of Graduates of Technical Training Institutions into Self-employment: The Case of North Rift Region
   Kiboi Japheth Manura, Dr. A. Ferej & Dr. H. Dimo
   Rift Valley Technical Training Institute & University of Eldoret, Kenya

8. Culture and Green TVET: Challenges and Prospects for Sustainable Development
   Muhavi Lucy Sagina
   Shamberere Technical Training Institute, Kakamega

9. Looking Inside a Variable Speed Single Phase Motor – A Lesson in Sustainable Training and Repair
   Mark L. Gordon
   1Gauteng Department of Health – Infrastructure Unit
   2Unisa – Department of Electrical and Mining Engineering

10. Using a 2-Phase Stepper Generator with reconfigured Scott – T Transformer arrangement to produce 3-Phase power for possible use in micro Renewable Energy power supplies
    Mark L. Gordon
    Gauteng Department of Health – Infrastructure Unit
    Unisa – Department of Electrical and Mining Engineering

11. TVET in Enhancing Sustainable Development
    Omoo Francis
    Nakawa Vocational Training institute, Nakawa, Kampala, Uganda

12. Sustainable agriculture, Food and Healthcare
    Veronica Onjoro
    Mount Kenya University

13. Integrating Social Media in Teaching and Life Long Learning in TVET: A Case Study of Kakamega County
    Pamellah N. Wanjala
    Shamberere Technical Training Institute

14. Strengthening Learning in Technology Education by using Theory, Simulation and Experiments
    Ogur, E.O.
    Technical University of Kenya

15. A study on factors Affecting Access on Students’ Academic Results and Implemented Solution
    Habineza Jean de Dieu1, Havumiragira Etienne2, Mushikiwabo Sade1, Muvandimwe Anastase3, Uwihoreye Davide5
    1IPRC Tumba, Information Technology DRwanda department,

16. Use of Coriander in the Treatment of Kidney Failure in Kenya
    Rolex Jepkoech
    Rift Valley Technical Training Institute, Kenya

17. Contribution of ICT in Enhancing Quality, Access, Life-long and Open Learning in TVET for Sustainable Development
    Wanjira Njuki & Rose Mathoni Mukandi
18. Issues and Challenges of Industrial Attachment in Technical and Vocational Education and Training Institutions in Western Kenya
   Jonah Kipyegon Ronoh & Josepha Kiprono Mutai
   Sigalagala National Polytechnic, Kakamega, Kenya

19. Enhancing Green Learning and Training in TVET for Sustainable Development through Digital Libraries in Nyeri County, Kenya
   Rose Muthoni Makundi & Wanjiru Njuki
   The Nyeri National Polytechnic, Kenya

    Dr. Evans Vidija Sagwa, PhD, MIHRM, Lic.HRP
    Senior Lecturer, Technical University of Kenya, Nairobi Kenya

    Johnson Taremwa
    Belgian Development Agency (Enabel), Uganda

22. The Role of Technical and Vocational Education and Training in Driving the Government’s Big Four Agenda for Sustainable Development in Kenya
    Dr. Benson Vundi Nason
    St. Paul’s University, Limuru

    Dr. Hoseah Kiplagat, PhD
    University of Eldoret

24. My Blood Donor Application: Prototype to Address low Blood Shortages in Kenya
    Nahashon Kiarte,
    Nkabune TTI.

TRACK 3: TVET & Economic Aspects of Sustainability

1. Impact of Microfinancing on Women’s Involvement in Green Learning, Technological and Economic Advancement in Bondo Constituency, Kenya.
   Anne Adhiambo Obinja & Millicent Obondo
   RIAT, Kenya

2. Relationship between Adoption of Green Marketing Practices and Hotel Performance in Western Kenya Tourism Circuit
   Wambui E. Ng’ang’a & Julie Makomere
   University of Eldoret

3. Relationship between Healthy Diet and Prevention of Lifestyle Diseases in Uasin Gishu County, Kenya
   Mercy Jeruto

   Muga Moses, Miroya M., Maina F. & Anjichi V.
   University of Eldoret & Rift Valley Technical Training Institute, Kenya
5. The Role of Technical and Vocational Education and Training (TVET) Institutions in the Revitalization of the Collapsed Textile Industry in Kenya
   George Oluoch & Evans Ondati
   Sigalagala National Polytechnic & Ziwa Technical Institute, Kenya

6. Value Chain Analysis of Marine Fish Along the Coastal Region in Kenya
   Ngetich Richard, Odwori Paul Okelo & Lasega David Manguya
   University of Eldoret, Eldoret, Kenya

7. Role of Social Media in the Consumption of Slow Fashion
   Agnes Rono
   Rift Valley Technical Training Institute, Eldoret, Kenya

8. Constructing a Sustainable Customer Centrism Model for Universities in Kenya: Issues and Opportunities
   Dr. Vundi Nason
   St. Paul’s University, Limuru, Kenya

9. The Effectiveness of Natural Homemade Organic Bedbug Pesticide and its Effect on Human Health
   Sarah N. Khisa
   Sigalagala National Polytechnic, Kakamega, Kenya

10. The Influence of Strategic Alignment on the Performance of CDF Sponsored Projects in Kitui County Kenya
    Kelvin Vundi, Dr. Hellen Muqambi & Dr. Stephen Macharia
    St. Paul’s University, Limuru, Kenya

11. Women Owned Micro and Small Enterprises Factors Influencing Growth a Survey of Kitale Town
    Ruth Ongachi
    Kitale National Polytechnic & Jomo Kenyatta University of Agriculture & Technology, Kenya

12. Adoption of Tree Nursery Practices as Strategic Enterprise at Millenium Village’s Project, Siaya County, Kenya
    Kipkemboi Kandie, Odwori Paul Okelo & Odhiambo Kenneth Opiyo
    University of Eldoret, Eldoret, Kenya

    Agnes Rono
    Rift Valley Technical Training Institute, Eldoret, Kenya

14. Enterprise Resource Planning System Implementation and Value Realization in SACCOs for Youth Employment Policy in Nairobi County, Kenya
    Rodah N. Sitati & Dr. Selpher K. Cheloti
    Kabete National Polytechnic & South Eastern Kenya University

15. Securitization of Project Finance Loans
    Caroline W. Kamunya
    Kenya Institute of Highways and Building Technology

16. The place of TVET in Entrepreneurial Development for Promotion of SMEs
    Janet Mokaya
    Kisii National Polytechnic

    Maengwe, James O., Otuya Willies & Ngacho Christopher.
    Kisii University

TRACK 4: Foundations for Sustaining People & Place
1. Assessing Feasibility of Space Based Solar Energy as a Safe and Reliable Source of Electricity in Kenya
   Alex Kobia
   Kiambu Institute of Science and Technology (KIST)

2. Effect of Intra-Row Planting and Trailings on the Performance of Vine Spinach (Basella alba L) in Western Kenya
   1Masonmo, B., 2Rop, N. K., & 3Omami E.
   1Kitale National Polytechnic, Kitale, & 2University of Eldoret, Kenya

3. Evaluation of Basket Food Warmers for Saving Energy in Uasin Gishu County: A Case Study of Kapseret Location
   Dr. Dorcas J. Serem
   University of Eldoret, Kenya

4. Factors Affecting TVET Responsiveness to Youth Employability: Reflection on Practices of Competency-Based Provisions in Arsi Zone of Oromia Regional State
   Endalew Fufa (PhD)
   Arsi University, Ethiopia

   Esther Onayo
   State Department of Livestock Production, Nandi County, Kapsabet, Kenya.

6. Competence-Based Agricultural TVET Program is a Pillar to Enhancing County Food Security
   Evans Ondati1*George Oluoch2
   Ziwa Technical Training Institute & Sigalagala National Polytechnic, Kenya

7. Biomethanation of Municipal Solid Waste
   Leonard Gituma & Catherine Njang’iru
   Nairobi Technical Training Institute

   Ivy Chumo & Kanyiva Muindi

9. Management Factors Influencing the Performance of Female Entrepreneurs: A Case of Nyeri Town Constituency, Nyeri County, Kenya
   Jane Wangui
   Thika Technical Training Institute

10. Metabolic Engineering of Microalgae for Improved Biodiesel Production as a Novel Energy Source
    Kathleen Musungu
    Coast Institute of Technology

11. Sustainable Alternative Vegetative Propagation of Lucerne Crop from Stem Cuttings to Mitigate the Impact of Tropical Weed on the Sluggish, Fragile Lucerne Seeds and Seedlings
    Dr. Jack Kagua Githae
    The School of Alternatively Medicine and Technology, Nyeri

    Wamocho Leonard Kingasha
    Jomo Kenyatta University of Science & Technology & Kitale National Polytechnic

    James Kosgey & Anither Rotich
    Rift Valley Technical Training institute

    James Kosgey, Anither J. Rotich & Shadrack K Kimutai
    Rift Valley Technical Training Institute, Eldoret, Kenya

15. Some Poisonous Plant Entities and their Physiological Mechanisms of Actions
16. Can a Community Health Worker led Intervention improve Utilization of Post-Partum Family Planning? Evidence from A Quasi Experiment Conducted in Mwingi West Sub County. 
Japheth Mativo Nzioki1*, Agnes Korir2, James H. Ombaka3, Rosebella O. Onyango4 
1University of Kabiniaga, Kericho, 2Daystar University, Nairobi 
3Maseno University, Kisumu, Kenya

17. TVET and Tackling of Unemployment among Middle Level College Graduates in Kenya 
Dr. Benson Vundi Nason 
St. Paul’s University, Limuru

18. Integrated Sustainable, Agriculture, Food and Health Care 
Dr. Jack Kagua Githae 
The School of Alternatively Medicine and Technology, Nyeri

19. Bioaccumulation of Heavy Metals in Pig Forage: A Case of Munyaka Estate, Uasin-Gishu County 
Cleophas Kimutai Cherop 
Jomo Kennyatta University of Agriculture and Technology

20. An Economic Valuation of the Benefits of Kingwal Wetland’s to the Local People 
Chepkwony Gladys Cheromo, Odwori Paul Okelo & Ipara Hellen 
University of Eldoret, Eldoret, Kenya

Herman Munyare*, Dr. Hannah Kiaritha 
Department of Business Studies, Kabete National Polytechnic, Kenya

22. Friendly Battery: Generating Electrical Energy from Irish Potatoes 
*Mr. Were Calvins Miseda, 
Ol’lessos TTI.

TRACK 5: Cross Cutting Interdisciplinary themes on Sustainability

1. Students’ Attitudes towards Home Science Subject in Selected Secondary Schools: A Case of Elgeyo Marakwet County 
Abigael Chelagat, Kisita Kitainge & Gertrude Were 
University of Eldoret

Mr. Bulbulen, Arap Maritim 
Rift Valley Technical Training Institute, Kenya

1,Riungu Festus Kinyua, 2Dr Thomas A. Senaji & 3Dr Hellen Mugambi 
1Kenya Methodist University, 2Thika Technical & 
3Senior Lecturer St Paul University

4. Decolonizing Development: Devolution, Democratization and Development in the Postcolonial Period 
Vundi Nason (PhD) 
St. Paulls University Limuru, Kenya

5. Ethics: An Inclusive Foundation for Sustainable TVET. 
Kimeli Richard 
Moi University, Eldoret, Kenya
6. **A Metrics-based Framework for Determining Quality of Academic Websites**
   James Kosgey
   Rift Valley Technical Training Institute – RVTTI Eldoret

7. **Effect of Verbal Sexual Harassment on Students’ Self-Esteem in Selected Secondary Schools in Nyamira and Kiambu Counties, Kenya**
   Naom kemuma Ondicho*, Prof. Kisila Kombo, Dr. Felistus Njuguna
   Kenyatta University Department of Educational Management, Policy and Curriculum Studies

   Kennedy W. Nyongesa¹, Prof. Mark Okere² & Prof. Zachary K. Mbugua²
   ¹Kitale National Polytechnic & ²Egerton University & ²Karatina University

9. **Effects of Cultural Tourism on Local Community Empowerment in Kakamega County, Western Kenya**
   Consolata Odoya
   Rift Valley Technical Training Institute – RVTTI Eldoret

10. **Contribution of ICT in Enhancing Quality, Access, Life-long and Open Learning in TVET for Sustainable Development**
    Wanjiru Njuki & Rose Muthoni Mukundi
    The Nyeri National Polytechnic

11. **The Challenges of Gender Mainstreaming among Community Organizations in Mathare Slums**
    Dr. Vundi Nason, Catherine W. Kiari & Jane W. Ndungu,
    St. Paul’s University, Limuru

12. **Class Teacher’s Perception on the Use of Hidden Curriculum in Class Room Context, in Meeting the Psychosocial Needs of Learners in Middle Primary School in Migwani, Kitui County, Kenya**
    Tina Vundi & Professor Joseph Mworia Wamutitu
    St. Paul’s University & Egerton University

13. **Perception of University Students on What the Media Portrays as “Ideal” Body Image**
    Dorcas Serem, Nancy Nguchara and Gertrude Were
    Department of Family & Consumer Sciences of the University of Eldoret

14. **The Anatomy of Effective Publishing: Sensibility of Applying Ethical Considerations or Publish and Perish**
    Dr. Vundi Nason (PhD)
    St. Pauls University Limuru, Kenya

    Karung’o Njihia Paul

16. **Religion and Gender Inequality, are Women Exploited in Religion? Case of Women in Africa Inland Church, Nairobi Region East Church Council, Nairobi County**
    Dr. Vundi Nason, Kennedy Wilson Ginda & Grace Wendo Muthoni
    St. Paul’s University, Limuru

17. **How Leadership Role Affects Organization Successful Performance: A Case Study of Kenya Commercial Bank**
    Cecilia Muendo & Dr. Dancan Irungu
    Daystar University