

CURRICULUM VITAE

MOHAMED PAKIA

- Personal Information**
- * Nationality: Kenyan
 - * Date & Place of birth: 12th October 1968; Tsimba, Kwale County, Kenya
 - * Private Post Office address: c/o Coastal Forest Conservation Unit
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 - * Telephone: +254 721212079 (Mobile)
 - * E-mail: pakiamohamed@yahoo.co.uk;
 - * Marital status: Married
- Education**
- 2002 – 2004 **University of Bayreuth (Bayreuth, Germany)**
Doctorate Degree, (Doctor of Natural Sciences - Ethnobotany) Faculty of Bio, Chem. & Earth Sci.
 - Nov. – Dec. 2001 - **University of Bayreuth (Bayreuth, Germany)**
Program Student, Dept. of Plant Physiology.
 - 1998 – 2000 - **University of Natal (Durban, South Africa)**
Masters of Science Degree (Environmental Sci.)
Forest Ecology & Ethnobotany, Dept. of Biology
 - Jan. – Dec. 1996 - **University of Natal (Durban, South Africa)**
Bachelor of Science (Honours) Environmental Sci.
Environmental Studies, 2nd Class Upper Division
 - 1989 – 1992 - **Egerton University (Njoro, Kenya)**
Bachelor of Education Sci. (Honours degree)
Majors: Botany & Zoology, 2nd Class, Upper Div.
 - 1987 – 1988 - **Shimo La Tewa School**
Kenya Advanced Certificate of Education
Mathematics, Chemistry, Biology and IRE
Three Principals and two subsidiaries
 - 1983 – 1986 - **Voi Secondary School (KCE)**, First Div, 17 points
 - 1976 – 1982 - **Vuga Primary School (Kwale) (CPE)**; 30 points

WORK EXPERIENCE

April 2013- to date: Chief Officer – Department of Lands, Physical Planning and Natural Resources, County Government of Kwale.

August 2010 – to date: Lecturer at Pwani University. Responsibilities: Head of Academic Botany Division; Chairman Botanical Garden Technical Committee; Teaching Botany courses and conducting related research work (NB. On leave of absence).

August 2007 to July 2010: Lecturer at Masinde Muliro University of Science and Technology. Responsibilities: taught Botany courses (undergraduate and post graduate), conducting related research work, and developed the University Botanical Garden concept.

March 2006 to August 2007: Lecturer at University College of Education Zanzibar, Constituent College of University of Khartoum University. Responsibilities: taught Botany courses, co-ordinated research work and developed a University Arboretum and a Herbarium.

October 2005 – to March 2006: Research Associate with Southern Environmental and Agricultural Policy Research Institute (SEAPRI) in a project titled: ‘The protection of community rights over their Bio-cultural Heritage (BCH) and their Traditional Knowledge (TK)’.

2001 to 2004 – Research Associate with the Sonderforschungsbereich 560’ (SFB) under the University of Bayreuth, Germany, in a project that investigated ‘Traditional Plant Knowledge Concepts’ of selected Kenya Coastal tribes, and determination of the influence of Globalization on local knowledge and practices, with reference to Botany related knowledge. This culminated to the documentation and publication of a case study of African traditional plant knowledge and concepts.

2001 - Research Scientist with the Coastal Forest Conservation Unit (CFCU/NMK), focusing on the Coastal Forest Ecology and Ethnobotany. Responsibilities: developed draft ecological monitoring plan for small sized coastal forests; enrichment planting to rehabilitation degraded forest areas; research in the control and management of invasive and aggressive plant species; and research on sustainable harvesting methods of local plant resources in the sacred kaya forests.

1995 - Research Scientist in the CFCU/NMK focusing on the Ethnobotany of the Mijikenda ethnic groups at the Kenya Coast. Responsibilities: investigating the Mijikenda traditional uses and values for the flora in the coastal forests and other landscapes. A research project funded by UNESCO.

Sept 1994 – April 1995 - Teacher (Biology) at Ramisi Secondary School.

1993 – August 1994 - Research Assistant at the Coast Development Authority (CDA), investigating the traditional medicinal plants among the Coastal tribes.

PROFESSIONAL MEMBERSHIP:

Member of Research Gate (An International Network of researchers)

Member of DAAD Scholars Association, Kenya (An International Network of Scholars)

RESEARCH

Ongoing:

- Smallholder Innovation for Resilience: Strengthening innovation systems for food security in the face of climate change (In collaboration with KEFRI and IIED)
- Domestication and scented compound extractions from *Mkilua fragrans* (in collaboration with colleagues at Pwani University)
- Survey of Mangrove resource for a 'Mangrove management Plan' (in collaboration with KFS, KWS, KMFRI, Fisheries and KEFRI)

SHORT CONTRACTS:

2011 – Vegetation Survey for the South By-pass (Kwale-Mombasa, Kenya) for Rep-Conn Associates.

2011 – Lessons learned document in the WWF Kwale Landscape Restoration Project..

2004 - Project leader in tree resource inventory for Good Woods Project (Malindi, Kilifi and Kwale). Contracted by WWF-EARPO (Nairobi) / Coastal Forest Conservation Unit.

2001 - Project Co-ordinator, Diani-Chale Marine Area Conservation Project, IUCN, Nairobi.
-Develop a floral inventory for Ocean Village Beach Hotel, Diani.

2000 - Survey & documentation of flora of a 'nature walk route', Leopard Beach Hotel, Diani.

1999 - Research Associate in an Environmental Impact Assessment (EIA) for Ethnobotanical data, at the Kwale Tiomin mining sites; by Coastal and Environmental Services (CES), of South Africa.

OTHER COURSES

1995 - Ethnobotany Database Computing & Management, Fort Portal (Uganda)

WORKSHOPS ATTENDED

1997 Association for the Taxonomic Study of the Flora of Tropical Africa (AETFAT), Harare, Zimbabwe.

1998 - Experts Training Workshop – Plant conservation techniques, Voi, Kenya.

- *Kaya* forests for World Heritage sites; Tiwi, Kenya.

2001 - Shimba Hills National Reserve Management Plan. Tiwi, Kenya

- Indigenous wild food plants; Diani, Kenya.
- Diani-Chale Management Area Stakeholders workshop. Diani, Kenya.
- 2002 - Diani-Chale Management Area, Collaborative Management Plan. Diani, Kenya.
- 2004 - Second Symposium of the SFB/FK 560: Synchronisation in traditional societies. Organised by SFB University of Bayreuth, at Iwalewa House, Bayreuth, Germany
- 2005 - Biota East African Workshop: Towards a sustainable use of East African rain forest systems. Organised by UN at the United Nations offices, Nairobi, Kenya.
- 2006 - National Symposium on Intellectual Property Education, Training and Research Workshop,. Organiser - World Intellectual Property Organization (WIPO), at Bwawani Hotel, Zanzibar, Republic of Tanzania.
- 2007 - Workshop on Scientific and Technological Approaches for Community Development in the Lake Victoria Basin. Organised by DAAD, at Kisumu Hotel, Kisumu, Kenya.
- 2007 - Experts workshop on Credit Accumulation and Transfer System (CATS). Organised by Commission for Higher Education (CHE), at the Kenya Wild Life Services Training Institute, Naivasha, Kenya.
- 2008 - National Stakeholders workshop on Credit Accumulation and Transfer System. Organised by Commission for Higher Education, at Kenya School of Monetary studies, Nairobi Kenya.
- Value chain of fruits for local market, export and processing in the Tropics, jointly organized by Horticultural Association of Kenya (HAK), German Academic Exchange Service (DAAD) and Leibniz Universität Hannover and Masinde Muliro University of Science and Technology, held at Masinde Muliro University, Kakamega, Kenya.
- 2009 - Value addition on Traditional Medicines, Bungoma (Western Kenya). Funded and organised by Indigenous Knowledge Research Team from Masinde Muliro University of Science and Technology.
- Training workshop on Alcohol and Drug Abuse (ADA) in a workplace; organised by National Campaign Against Drug Abuse Authority (NACADA), at Nairobi
- Analysis of the Education Standards at the Kenya Coast; organised by DAAD Scholars (Kenya), and held at Mombasa Polytechnic University College.
- 2010 - Consultative Workshop of Regional Centre Experts (For Kenya Coast), Mombasa.
- Synergy and Networking to Enhance Research and Development (Alexander Von Humboldt Alumni Kenya Kolleg), Nairobi
- 2011 - ESD – RCE

- 2012 - Consultative Workshop on Green Economy – for Kenya Coast region (Organised by UNEP, NEMA, WWF and Ministry of Environment and Natural Resources)
- IUFRO-FORNESSA Regional Congress & ITTO/AFF Forest Policy- ICRAF, Nairobi Kenya.
- Humboldt Kollog – Taita Hills Hotel, Voi, Kenya.
- Smallholder Innovation for Resilience: Strengthening innovation systems for food security in the face of climate change - Planning and Methodology Workshop, Beijing and Nanning, in China.
- 2013 - Methodology Coordination Workshop for the Research Project- Smallholders Innovation for Resilience’ Project (SIFOR), Cusco, Peru.
- Forest Policy consultation forum for Kenya Coast Region, Mombasa Beach Hotel, Kenya.
- Consultative Workshop for ‘Mangrove Forest Management Plan’, Kenya School for Government, Matuga, Kenya.
- Consultative meeting with Bee-keepers and Charcoal producers in Lunga-lunga area
- Consultative meeting with Shimba Hills adjacent Communities on Human-Wildlife conflicts issues.
- Consultative meeting with stakeholders of Tiwi, Diani Chale Management Trust (DCMT) on governance and Community participation.
- Consultative Workshop on Climate Change Guidelines for Forest Managers, Sai Eden Rock Hotel, Malindi.
- Charcoal Rules and Regulations Training workshop for CPAs and other Stakeholders, Kilifi, Kenya.
- Regional East Africa RCEs Workshop, Kakemega, Kenya.
- 2014 -

ACADEMIC SUPERVISION

Masters Program

- Godrick Khisa ; An investigation on how farmer field school and their network assist farmers to manage farming as a business: a case study for Kakamega District. (MMUST).
- Wilson Oduor Abangi; Factors influencing farming sustainability in Western, Eastern and Coast Provinces of Kenya (MMUST).

- Simon Mugi Kimuhi – Biocontrol of damping disease using *Pseudomonas fluorescence* bacteria.
(Pwani University, ongoing)

LEADERSHIP AND SOCIAL RESPONSIBILITIES

1982 – Deputy Head Boy, Vuga Primary School, Tsimba – Kwale.

1988 – House Captain, Ngala House, Shimo la Tewa High School

2005 to 2007 – Patron for Tsimba Development Forum (TDF), a community based organisation concerned with local development and community empowerment.

2006 to 2008 – Chairman, Board of Governors, Tsimba Secondary School, Kwale.

2006 to Date – Trustee, Asante Tiwi Project for orphan children.

2006 to July 2007 – Patron, Environmental Society of University College of Educ., Zanzibar.

2007 to June 2008 – Masinde Muliro University of Science and Technology (MMUST) representative in the Credit Accumulation and Transfer System (CATS) Project coordinated by Commission for Higher Education (CHE), Kenya, where I worked as a programme specialist in the preparation of minimum requirements (core and elective of courses) for undergraduate Botany curriculum.

June - Dec. 2008 – Masinde Muliro University of Science and Technology (MMUST) workshop organizing team leader for the Horticultural Association of Kenya (HAK) workshop - Value chain of fruits for local market, export and processing in the Tropics.

Jan 2009 to Date – Member, Board of Governors, Tsimba Secondary School, Kwale.

Jan 2011 to Date – Member, Board of Governors, Golini Secondary School, Kwale.

Jan 2011 to July 2015 – Trustee and Member School Board, Kristina Academy, (A special School for the educational support of Needy Children in Tiwi, Kwale.).

March 2011 to December 2012, Chairman, the University Inspection and Acceptance Committee.

Jan 2012 to Dec 2015 – Chairman Forest Conservation Committee (FCC), Coast Conservancy, an appointment within KFS structure, as entrenched in The Forest Act 2005.

Jan 2012 to June 2013 – Chairman Kwale Country Natural Resources Network, a CBO that advocates for Environmental Conservation and Community participation on issues of environmental management.

PUBLICATIONS

Papers

Pakia M. & JA. Cooke 2003 a. The ethnobotany of the Midzichenda tribes of the coastal forest areas in Kenya: 1. General perspective and non-medicinal plant uses. *South African Journal of Botany* 69 (3): 370- 381.

Pakia M & JA. Cooke 2003 b. The ethnobotany of the Midzichenda tribes of the coastal forest areas in Kenya: 2. Medicinal plant uses. *South African Journal of Botany* 69 (3): 382 – 395

Books and Book Chapters

- Pakia, M. 2006. African traditional Plant knowledge today: An ethnobotanical study of the Digo at the Kenya Coast. LIT, Berlin.
- Nyamweru C., S. Kibet, M Pakia, & J.A. Cooke 2008. The kaya forests of Coastal Kenya: Remnant patches or dynamic entities (pp 62 – 86). In: Michael J. Sheradin and Ceilia Nyamweru (Eds). African Sacred Groves – Ecological Dynamics and Social change. James Currey, Oxford; Ohio University Press, Athens; UNISA Press, Pretoria.
- Munyi P., Mutta D., Pakia M. and Opati L. 2008 Protection of Community Rights Over Traditional Knowledge: Implications for Customary Laws and Practices in Kenya. *ICIPE Science Press*, Nairobi. ISBN 92 9064 198 3.

REVIEWED MANUSCRIPT

- Attitude towards traditional consumptive uses of wildlife among residents of Nakuru Municipality, Kenya – For the Journal of Science and Technology Education and Management (J-STEM), Apublication of Masinde Muliro University of Science and Technology.
- Persistence and Loss of Cultural Values of Tiriki Sacred Groves among Local Communities in Hamisi District, Kenya: Implications For Management by Fredrick Nyongesa Kassilly and Harrison Mugatsia Tsingalia for Journal of Human Ecology.

REFEREES

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