

CURRICULUM VITAE

NAME : Patrick B. Chalo Mutiso

PLACE OF BIRTH : Machakos District

NATIONALITY : Kenyan

WORKING EXPERIENCE

Curation of herbarium, University of Nairobi Herbarium from 1996 to date
Botanical field collections more than 20,000 specimens collected in all districts of Kenya;
Participation in Tana River expedition 1988, Mathews expedition (1989, 2008,2009). Arabuko
Sokoke forest surveys (1988/1989), Aberdares vegetation surveys 1995, 1996, 1997 and
1998. Coast vegetation surveys, 1995, 1996, 1997, 1998 , 1999,2001, 2002, 2004 and all other
forests of Kenya to date .

Research and Students practicals – 26 years of collecting research and teaching plants
materials and demonstration in plant pathology, plant Biosystematic and Palynology, Plant
Ecology, Mycology, Plant Taxonomy, Herbarium Techniques and Cryptogamic Botany

Long-term cooperation with other department of the University of Nairobi: –
Zoology, Geology, Chemistry, Biochemistry, Veterinary & Medical Sciences, Crops
Sciences Medical physiology, Animal physiology and Range Management.

Ongoing cooperation with other institutions: Museums of Kenya (Nairobi), Kenyatta
University (Nairobi), Maseno College (Kenya), ICIPE (Nairobi), KEFRI (Nairobi), KWS
(Nairobi), Royal Botanical Gardens, KEW (U.K.), University of Gent (Belgium), Jardini
Botanical de Oroava (Spain), Illinois University (U.S.A.), Makerere University (Uganda), Seda
Herbs (France), Medicinal Plant Association (France), School of Pharmacy (London), Institute
fur Pharmazentische Biologie und Biotechnologie (University Dusseldorf), Germany and Institute
de recherché Pierre fabre (France).

PUBLICATIONS

1. He' Luc Van Purvelde, Jan Boscelaers, Norbet De Kimpe, Mark Van der feas, S. G. Mathenge and **Patrick B. Chalo Mutiso** 2000, Activity of 6-pentadecylsalicylic Acid of *Ozoroa insignis* (Anarcadiaceae) against Marine Crustaceans. Jour. Pharmaceutical Biology 40(1) 74-76.
2. Yumi Nishiyama, Momoyo Ichimaru, Atsushi Kato, Simon G. Mathenge, **Patrick B. Chalo Mutiso** et al, 2000. Secondary and Tertiary Isoquinoline Alkaloids from *Monodora junodii* Jour. Natural Medicine 54(6) 338-34.
3. Yumi Nishiyama, **Patrick B. Chalo Mutiso**, Simon G. Mathenge, Atsushi Kato et al, 2003, Isoquinoline Alkaloids from *monodora grandidieri*, Jour. Natural Medicines 57(2) 74 (2003).

4. **Patrick B. Chalo Mutiso**, Yumi Nishiyama, Simon G. Mathenge, Atsushi Kato et al, 2004. Quaternary Isoquinoline alkaloids from *monodora junodii* and *M. grandidieri*. *Jour. Natural Medicine* 58(6) 303-306.
5. Yumi Nishiyama, masantaka moriyasu, Atsushi Kato, **Patrick B. Chalo Mutiso**, S.G. Mathenge et al 2004. Quarterway isoquinoline alkaloids from *xylopia parviflora*. *Jour. Phytochemistry* 65(2004)939 – 944.
6. Amanda Koch, Sorjarto Djaja D, **Mutiso Patrick Chalo** et al., 2005; Antimalarial Abietane ditetane diterpene from *Fuerstia africana* T.C.E Fries. *Jour. Biochemical Systematic & Ecology* pg 270.
7. **Patrick B. Chalo Mutiso**, Yumi Nishiyama, Momoyo Ichamaru, Atsushi Kato, et. Al., 2007; Tropane alkaloids from *Erythroxyllum emerginatum*. *J. Nat Med* 61: 56 – 58.
8. le lamar AC, marty R. Cheralley, **Mutiso P. B.** et ai., 2008; Antimalarial and Cytotoxic activities of Schizogane alkaloids isolated from *schizogygia coffeaoides* *Jour. Plant Med* 74: 895 – 1227.
9. Wera Hauschild, **Patrick B. Chalo Mutiso** and Claus M. Passreiter 2010. Prenylated pterocarpanes from *Erythrina melalacantha* *Jour. NPC – Natural product communications* 5: 721 – 724.
10. Momoyo Ichimaru, **Patrick B. Mutiso** et al., 2010 Hydroxyespintanol and Schefflerichacone: Two new compounds from *Uvaria scheffleri* 2010 *J. Nat. med.* 64: 75 – 79.
11. Yumi Nishiyama, Simon G. Mathenge, **Patrick B. Mutiso** et al., Actinociceptive effects of the extracts of *Xylopia parviflora* bark and its alkaloidal components in experimental animals 2010. *J. Nat. med.* 64: 9 – 15.
12. Isabelle Pouny., Stephane Vispe., Yannick Aussagues., **Patrick B. Chalo Mutiso**: Four new Carvotanacetone derivatives from *Sphaeranthus ukambensis*, inhibitor of ubiquitin-proteasome pathway *Plant med.* 2011; 77(14): 1605 – 1609.
13. Takuya Furukawa, Kazue Fujiwara, Samuel K. Kiboi, **Patrick B. Chalo Mutiso**: Threshold change in forest understory vegetation as a result of selective fuelwood extraction in Nairobi, Kenya. *Forest Ecology and Management* 262 (2011) 962 – 969.
14. Takuya Furukawa, Kazue Fujiwara, Samuel K. Kiboi, **Patrick B. Chalo Mutiso**: Can stumps tell what people want: Pattern and preference of informal wood extraction in an urban forest of Nairobi, Kenya. *Biological Conservation* 144 (2011) 3047 – 3054.