

Technical Review Panel Member

Curriculum Vitae

Name: Abraham Mnzava
 Nationality: Tanzania
 Additional languages: English
 Expertise: Malaria and vector control

Qualifications

Qualification	Institution	Department	Year
PhD	University of Basel, Switzerland	Department of Epidemiology	1991
MSc	London School of Hygiene and Tropical Medicine	Department of Parasitology	1987
BSc	University of Dar es Salaam	Department of Biology	1979

Employment History

Employer	Position	Place	Year
University of Dar es Salaam, Tanzania	Tutorial Assistant	Dar es Salaam, Tanzania	1979-1980
National Institute for Medical Research, Tanzania	Senior Research Scientist	Amani, Tanga, Tanzania	1980-1990
ICIPE, Nairobi, Kenya	Scientist	Nairobi	1991-1992
Medical Research Council, South Africa	Principal Scientist	Durban, South Africa	1993-2000
World Health Organization, Harare, Zimbabwe	Entomologist	Harare, Zimbabwe	2001-2002
World Health Organization, Cairo, Egypt	Regional Adviser, Vector Control	Cairo, Egypt	2002-2011
World Health Organization, Geneva, Switzerland	Coordinator, Malaria Vector Control	Geneva, Switzerland	2011-2016
African Leaders Malaria Alliance	Senior Malaria Adviser	Arusha, Tanzania	2016-todate

Relevant Publications

1. Marchand R.P. and MNZAVA A.E.P. (1985). A field-test of a biochemical key to identify members of the *Anopheles gambiae* group of species in North East Tanzania. J. Trop. Med. Hyg., 88, 205-210.
2. MNZAVA A.E.P. and Kilama W.L. (1986). Observations on the distribution of species of the

Anopheles gambiae in Tanzania. *Acta Tropica*, 43, 277-288.

3. Njunwa K.J., Lines J.D., MNZAVA A.E.P., Magesa S.M., Wilkes T.J., Alilio M. and Curtis C.F. (1991). Trial of pyrethroid treated bednets in an area of Tanzania holoendemic for malaria. Part 1: Operational methods and acceptability. *Acta Tropica*, 49, 87-96.
4. Magesa S.M., Wilkes T.J., MNZAVA A.E.P., Njunwa K.J., Myamba J., Phillip M., Hill N., Lines J.D. and Curtis C.F. (1991). Trial of pyrethroid treated bednets in an area of Tanzania holoendemic for malaria. Part 2: Effects on the malaria vector populations. *Acta Tropica*, 49, 97-108.
5. Lyimo E.O., Msuya F.H., Rwegoshora R.T., Nicholson E., MNZAVA A.E.P., Lines J.D. and Curtis C.F. (1991). Trial of pyrethroid treated bednets in an area holoendemic for malaria. Part 3: Effects on the prevalence of malaria parasitaemia and fever. *Acta Tropica*, 49, 157-164.
6. MNZAVA A.E.P., Rwegoshora R.T., Tanner M., Msuya F.H., Curtis C.F. and Irare S.G. (1993). The effects of house spraying with DDT or lambda cyhalothrin against *Anopheles arabiensis* on measures of malarial morbidity in children in Tanzania. *Acta Tropica*, 54, 141-151.
7. MNZAVA A.E.P., Mutinga M.J. and Staak C. (1994). Host blood meals and chromosomal inversion polymorphism in *Anopheles arabiensis* in the Baringo district of Kenya. *J. Am. Mosq. Contr. Assoc.*, 10 (4), 507-510.
8. MNZAVA A.E.P., Rwegoshora R.T., Wilkes T.J., Tanner M. and Curtis C.F. (1995). *Anopheles arabiensis* and *An. gambiae* chromosomal inversion polymorphism, feeding and resting behaviour in relation to insecticide house spraying in Tanzania. *Med. Vet. Entomol.*, 9: 316-324.
9. MNZAVA A.E.P., le Sueur D., Sharp B.L., Ngxongo S., Mthembu D.J. and M.V.Ntuli (1997). Malaria in the South Africa: Are District Health Systems and Current Malaria Control Strategies Compatible? *S. Afr. Med. J.*, 87 (5): 585-587.
10. MNZAVA A.E.P., Sharp B.L., Cuamba N. and Barreto A. (1997). Malaria vector studies in Maputo city, Mozambique implications for control. *S. Afr. Med. J.*, 87: 611-614.
11. Curtis CF and MNZAVA AEP. Comparison of house spraying and insecticide-treated nets for malaria control. *Bull-World-Health-Organ.* 2000; 78(12): 1389-400
12. Goodman CA, MNZAVA AE., Dlamini,SS, Sharp,BL, Mthembu,DJ, Gumede J-K. Comparison of the cost and cost-effectiveness of insecticide-treated bednets and residual house-spraying in KwaZulu-Natal, South Africa. *Trop-Med-Int-Health.* 2001 Apr; 6(4): 280-95
13. MNZAVA A.E.P., Sharp B.L., Mthembu, D., D. le Sueur, Dlamini S.S., Gumede J.K. and I. Kleinschmidt (2001). Malaria control – two years’ use of insecticide-treated bednets compared with insecticide house spraying in KwaZulu-Natal. *S.Afr. Med. J.* 91 (11): 976-983
14. Onwujekwe O, El-Fatih Malik, Sara Hassan Mustafa and MNZAVA A (2005). Socio-economic inequity in demand for insecticide-treated nets, in-door residual house spraying, larviciding and fogging in Sudan. *Malaria Journal*, 4: 62
15. Onwujekwe O, Malik EF, Mustafa SH and MNZAVA A (2006). Do malaria preventive interventions reach the poor? Socio-economic inequities in expenditures and use of mosquito control tools in Sudan. *Health Policy and Planning*, 21 (1): 10-16
16. Matambo TS, Abdalla H, Brooke BD, Koekemoer LL, MNZAVA A, Hunt RH and Coetzee M. (2007). Insecticide resistance in the malarial mosquito *Anopheles arabiensis* and association with the kdr mutation. *Journal of Medical and Veterinary Entomology*, 21: 97 – 102
17. Abdalla H, Matambo TS, Koekemoer LL, MNZAVA AP, Hunt RH and M. Coetzee (2007). Insecticide susceptibility and vector status of natural populations of *Anopheles arabiensis* from Sudan. *Transaction of the Royal Society of Tropical Medicine and Hygiene*, 750: 1-9.
18. Matthews G, Tan SH, van der Valk H, Ameneshewa B, MNZAVA A, Dash AP, et al. 2010. Problems confronting management of public health pesticides. *International Pest Control* 52(5): 250-254.
19. Rathor HR, MNZAVA A, Bile KM, Hafeez A. and S. Zaman. (2010). Launching the first postgraduate diploma in medical entomology and disease vector control in Pakistan. *EMHJ*: 16 (Supplement).
20. MNZAVA A.; J. Williams; R. Bos and M. Zaim. 2011. Progress on the implementation of integrated vector management in the Eastern Mediterranean Region: *EMHJ*: 17 (5); 453-459
21. The malERA Consultative Group on Vector Control (2011): A Research Agenda for Malaria Eradication: Vector Control. *PLoS Med* 8(1): e1000401. doi: 10.1371/journal.pmed.1000401
22. van den Berg, H., M. Zaim, R. S. Yadav, A. Soares, B. Ameneshewa, A. MNZAVA, J. Hii, A. P. Dash, M. Ejov (2012). Global trends in the use of insecticides to control vector-borne diseases.

Environmental Health Perspectives, 120(4): doi:10.1289/ehp.1104340 or <http://dx.doi.org/10.1289/ehp.1104340>.

23. MNZAVA, A., M. Zaim, R. S. Yadav, S. Elkhalfifa, J. Mahjour (2012). Management of the use of public health pesticides in the face of the increasing burden of vector-borne diseases in the Eastern Mediterranean. *Eastern Mediterranean Health Journal*, 18(1): 70–76.
24. Chanda E, Doggale C, Pasquale H, Azairwe R, Baba S, and A. MNZAVA. (2013). Addressing malaria vector control challenges in South Sudan: proposed recommendations. *Malaria Journal* 2013, 12:59. <http://www.malariajournal.com/content/12/1/59>
25. Newman R, MNZAVA A and Z Szilagy. (2013). Mosquito larval source management: evaluating evidence in the context of practice and policy. *Cochrane Database Systematic Review* 2013 August, 29:8. ED000066.doi:org/10.1002/14651858. ED000066
26. MNZAVA A., Macdonald M., Knox T., Temu E., and C. Shiff. Malaria Vector Control at the crossroads: Public Health Entomology and the drive to elimination. *Trans Roy Soc Trop Med Hyg*, 2014. doi:10.1093/trstmh/tru101.
- 27: MNZAVA A., T Knox, EA Temu, A Trett, C Fornadel, J Hemingway, M Renshaw. (2015). Implementation of the Global Plan for Insecticide Resistance Management in malaria vectors: progress, challenges and the way forward. *Malaria Journal*, 14(1):173.
- 28: I. Kleinschmidt, A. MNZAVA *et al.*, (2015). Design of a study to determine the impact of insecticide resistance on malaria vector control: a multi-country investigation. *Malar J* 2015 Jul 22; 14: 282. Epub 2015 Jul 22.
29. C. Faraj, A. MNZAVA *et al.*, (2016). Effectiveness and cost of insecticide-treated bednets and indoor residual spraying for the control of Cutaneous Leishmaniasis: A cluster-randomized control trial in Morocco. *Am J Trop Med Hyg* 2016 Mar 25; 94 (3): 679-85. Epub 2016 Jan 25.
30. J. Cook, A. MNZAVA *et al.*, (2016). High heterogeneity of malaria transmission and a large sub-patent and diverse reservoir of infection in Wusab As Safil district, Republic of Yemen. *Malar J* 2016 Apr 8; 15: 193. Epub 2016 Apr 8.
31. E. Chanda, A. MNZAVA *et al.*, (2016). Scale-up of integrated malaria vector control: lessons from Malawi. *Bull World Health Organ* 2016 Jun 21; 94(6): 475-80. Epub 2016 Apr 21.
32. R.N. Tabue, A. MNZAVA *et al.*, (2017). Role of *Anopheles* (*Cellia*) *rufipes* (Gough, 1910) and other local anophelines in human malaria transmission in the northern savannah of Cameroon: a cross-sectional survey. *Parasite Vectors* 2017 Jan 11; 10(1): 22 Epub 2017Jan 11.
33. H.T Kafy; A. MNZAVA *et al.*, (2017). Impact of insecticide resistance on malaria incidence and prevalence in Sudan and the costs of mitigations. *Proc Natl Acad Sci USA* 2017 12 11; 114(52): E 11267 – E 11275. Epub 2017 Dec 11.
34. B.A. Ismail, A. MNZAVA *et al.*, (2018). Temporal and spatial trends in insecticide resistance in *Anopheles arabiensis* in Sudan: outcomes from an evaluation of implications of insecticide resistance for malaria vector control. *Parasite Vectors* 2018 03 02; 11(1): 122. Epub 2018.
35. F. Masaninga, A. MNZAVA *et al.*, (2018). Insecticide-treated nets mass distribution campaign: benefits and lessons in Zambia. *Malar J* 2018 Apr 24; 17(1): 173. Epub 2018 Apr 24.
36. H.A Parfait, A. MNZAVA *et al.*, (2018). The bionomics of the malaria vector *Anopheles rufipes* Gough, 1910 and its susceptibility to deltamethrin insecticide in North Cameroon. *Parasite Vectors* 2018 0 18; 11(1): 253. Epub 2018 Apr 18.
37. I. Kleinschmidt, A. MNZAVA., (2018). Implications of insecticide resistance for malaria vector control with long-lasting insecticidal nets: a WHO-coordinated, prospective, international, observational cohort study. *Lancet Infect Dis* 2018 Jun 9; 18(6): 640-649. Epub 2018 Apr 9.
38. H. Koenker, A. MNZAVA *et al.*, (2018). Assessing whether universal coverage with insecticide-treated nets has been achieved: is the right indicator being used? *Malar J* 2018 Oct 11; 7(1): 355. Epub 2018 Oct 11.
39. Ekoko, W.E., Awono-Ambene, P., Bigoga, J., MNZAVA A. *et al.* Patterns of anopheline feeding/resting behaviour and *Plasmodium* infections in North Cameroon, 2011–2014: implications for malaria control. *Parasites Vectors* 12, 297 (2019) doi:10.1186/s13071-019-3552-2
40. Raymond N. Tabue, Boris A. Njeambosay, Francis Zeukeng, MNZAVA A. *et al.*, “Case Definitions of Clinical Malaria in Children from Three Health Districts in the North Region of Cameroon,” *BioMed Research International*, vol. 2019, Article ID 9709013, 8 pages, 2019. <https://doi.org/10.1155/2019/9709013>.

41. Tokponnon, F.T., Sissinto, Y., Ogouyémi, A.H., MNZAVA A. *et al.* Implications of insecticide resistance for malaria vector control with long-lasting insecticidal nets: evidence from health facility data from Benin. *Malar J* 18, 37 (2019) doi:10.1186/s12936-019-2656-7
42. Burkot, T.R., Farlow, R., Min, M., MNZAVA A. *et al.* A global analysis of National Malaria Control Programme vector surveillance by elimination and control status in 2018. *Malar J* 18, 399 (2019) doi:10.1186/s12936-019-3041-2
43. Russel, T., Farlow, R., Min, M., MNZAVA A. *et al.* Capacity of National Malaria Control Programs to implement vector control surveillance: A global analysis in 2019. *Malar J*: doi:10.21203/rs.3.rs-58727/v1

Books

Abraham Mnzava (2019). Unwrapped – The life story of a shepherd boy – <https://www.amazon.com/UNWRAPPED-STORY-SHEPHERD-ABRAHAM-MNZAVA/dp/978527599X> - 202 pages.

Additional Information