



Dr Chouaibou S.  
Mouhamadou



Research Scholar

### Title:

### Research emphasis:

Dr. Mouhamadou's main research interests are malaria vector control and designing new tools for vector control. In particular, he is focused on developing trapping bed nets to overcome the problem of vector resistance to insecticide and ensure the continuing effectiveness of malaria control-based bed net use. He is also interested by the relationship between agricultural use of chemicals and insecticide resistance in malaria vectors.

### Applications:

- Malaria elimination program
- Vector-borne disease control
- Insecticide resistance management

### Research Strengths:

- Vector control strategy
- WHO Phase I, II and III trials
- Insecticide resistance monitoring
- Resistance mechanisms assessment

### Publications and Abstracts: (limit 4)

**Chouaïbou MS**, Kouadio FB, Tia E and Djogbenou L First report of the East African *kdr* mutation in an *Anopheles gambiae* mosquito in Côte d'Ivoire. *Wellcome Open Research*.2017; 2:8.

**Chouaïbou MS**, Fodjo BK, Fokou G, Allassane OF, Koudou BG, David JP, Antonio-Nkondjio C, Ranson H, Bonfoh B. Influence of the agrochemicals used for rice and vegetable cultivation on insecticide resistance in malaria vectors in southern Côte d'Ivoire. *Malaria Journal*. 2016;15(1):426.

**Chouaïbou MS**, Zivanovic GB, Knox TB, Helen-Pates J. Bonfoh B. Synergist bioassays: A simple method for initial metabolic resistance investigation of field *Anopheles gambiae s.l.* populations. *Acta tropica*. 2014;130: 108– 111.

Ngufor C, **Chouaïbou MS**, Tchicaya E, Loukou B, Kesse N, N'Guessan R, Johnson P, Koudou K and Rowland M. Combining organophosphate-treated wall linings and long-lasting insecticidal nets fails to provide additional control over long-lasting insecticidal nets alone against multiple insecticide-resistant *Anopheles gambiae* in Côte d'Ivoire: an experimental hut trial. *Malaria Journal*,2014; 13:396.

PhD, Medical Entomology  
MSc, Parasitology

### Mentors:

- Prof Charles Apperson
- Prof Michael Roe

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