



Mr. SILUE OUMAR

Born on 2nd February 1977 in Tioroniaradougou,

Ivorian, single without children.

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AREAS OF EXPERTISE

Biotechnology, Biosecurity and Bioresources.

UNIVERSITY STUDIES, DEGREES OBTAINED

2018- 2019 : PhD in Biotechnology - Biosecurity - Bioresources

Speciality : Agrophysiology and Phytopathology

2008 : Postgraduate degree (DEA) in Plant Physiology, with the option of Plant Agrophysiology (Cocody University, Abidjan)

2007 : Advanced Studies in Plant Physiology, option Agrophysiology (Cocody University, Abidjan)

2006 : Master's degree in Plant Physiology, option Plant Agrophysiology (Cocody University, Abidjan)

WORK EXPERIENCE

* **From 2022 to present** : Intervention on RAF 5083 Enhancing Crop Productivity through Climate Smart Crop Varieties with Improved Resource Use Efficiency (AFRA)

* **From 2021 to present** : Head of the *In Vitro* Culture Unit

* **Since May 2020**: Researcher at the Centre National de Recherche Agronomique, on the Biotechnology programme

INTERNSHIPS, TRAINING AND PUBLICATIONS

Internships

* **July 2013- March 2018** : **Thesis work** in the *In Vitro Culture* Unit of the CNRA Central Biotechnology Laboratory

Theme of the thesis : Contribution to the development of regeneration and multiplication techniques for two elite plantain varieties FHAI-21 and PITA-3 by microcuttings

* **02 February 2007-29 March 2009**: **Postgraduate degree (DEA) thesis internship** carried out in the Laboratory of Biology and Improvement of Plant Productions of the University Nangui-Abrogoua

Theme of the dissertation: Study of callogenesis in the Ci2 ecotype of Voandzou [*Vigna subterranea* (L.) Verdc] grown in Côte d'Ivoire: **Effect of culture medium composition and explant type**

Training

* **12 – 24 November 2023** : trainer on the implementation of the youth employability strategy in the ECOWAS agricultural and agri-food sector (Ivory Coast National Center of Plantain Banana Specialization)

Location : CNRA (Côte d'Ivoire)

* **11 October – 15 November 2023** : Distance learning course on DL-305 B Examination of Distinction Homogeneity stability

Location : Geneva SWITZERLAND

***09 -13 October 2023 :** scientific writing training workshop

Location : Abidjan (Côte d'Ivoire)

***08 March - 12 April 2023 :** Distance learning course on DL-205 Introduction to the UPOV system of plant variety protection under the UPOV Convention

Location : Geneva SWITZERLAND

***20 - 21 March 2023:** Training on PARTICIPATIVE WEB AND INTRANET_CNRA MODULES

Location: CNRA General Directorate

***16 - 20 May 2022:** Workshop on coconut tissue culture

Location: ICAR-CPCRI, Kasaragod, India

***3 - 5 February 2021:** Online participation in the digital symposium "Plant Biodiversity and Sustainable Development

Location : 44 boulevard de Dunkerque CS 9000913572 Marseille CEDEX 02. France

***27 - 31 March 2017 :** National workshop on the application of *in vitro* techniques to varietal improvement by mutagenesis

Location : CNRA, Adiopodoumé, Km17, Route de Dabou Abidjan, Côte d'Ivoire.

***15 - 19 February 2016:** Training workshop on the use of basic tools in molecular biology.

Location : CNRA, Adiopodoumé, Km17, Route de Dabou Abidjan, Côte d'Ivoire.

***13 - 25 April 2015:** Coraf/ Wecard training in agricultural biotechnology "Capacity building of West African researchers and technicians on *in vitro* and *in vivo* mass production methods of plantain plant material and pathogen diagnosis".

Location : CNRA, Adiopodoumé, Km17, Route de Dabou Abidjan, Côte d'Ivoire.

Publications and data sheets

*** Oumar SILUE, Oi Kouadio Samuel KOUADIO, Kouame Honore KOFFI, Emmanuel ZRAN, Mah TOURE, Kan Modeste KOUASSI (2024).** Efficient an rapid micropropagation of MD2 and H4 pineapple varieties. Aust J Crop Sci. 18(09) : 591- 597.

*** Koné Daouda, Thiémélé Deless Edmond Fulgence*, Silué Oumar, Yao Saraka Didier Martial, N'Nan Alla Oulo. (2023).** Use of Im medium to overcome recalcitrance to somatic embryogenesis of improved cocoa genotypes (*Theobroma cacao*L.). International Journal of Biosciences. Vol. 23, No. 4, p. 38-45.

***KOUADIO Oi Kouadio Samuel, SILUE Oumar, KONE Dramane, YAPO Sophie Edwige Salomé, N'GUESSAN Affoué Rachelle, KOUAKOU Tanoh Hilaire (2023).** Effect of culture medium composition on somatic embryos induction and maturation of pineapple [*Ananas comosus* (L.) var. (Smooth Cayenne)]. Journal of Experimental Biology and Agricultural Sciences. 11(1) : 140 – 149

***Dramane KONE, Oi Kouadio Samuel KOUADIO, Oumar SILUE, Affoué Rachelle**

N'GUESSAN, Navigué YEO and Tanoh Hilaire KOUAKOU (2022). Optimization of bud disinfection technique and influence of growth regulators on micropropagation in ginger (*Zingiber officinale* Rosc.). International Journal. of Biological and Chemical Sciences. 16(6): 2892-2904.

Silué Oumar, Claude Ghislaine Zaka Kouadjo, Kouassi Kan Modeste, Pokou Désiré, Koffi Kouablan Edmond (2022). How to produce mosaic virus-free cassava plants in vitro successfully. www.cnra.ci.

Silué Oumar, Djaha Konan Engueran, Okoma Koffi Mathurin, Doubi Bi Tra Serges, Konan Jean Louis Konan (2022). How to extract coconut embryos successfully. www.cnra.ci.

Okoma Koffi Mathurin, Dian Kouadio, Silué Oumar, Yao Konan Jean Parfait, Koffi Kouablan Edmond. (2022). How to produce planting material by orthotropic cuttings in rubber trees successfully. www.cnra.ci.

***Kouadio O.K.S., Doumbouya M., Silué O., N'guessan K.P.K & Kouakou T.H. (2021).** Stimulation of Polyphenol Production by Three Biocontrols (Vacciplant ®, Callel ® and Calliete ®) in Plantain (*Musa* spp. Group AAB [Musaceae]). Journal of Agricultural Science; Vol. 13, No. 9.

DJAHA Konan Engueran, DOUBI Bi Tra Serges, SILUE Oumar, N'ZUE Boni, HALA N'klo. (2020). How to successfully acclimate cassava seedlings. www.cnra.ci

* **Silué O., Kouassi K M., Kouadio K.S., Koffi K E. & Aké S. (2018).** Improved *in vitro* shoot multiplication and rooting of two banana varieties (FHIA-21 and PITA-3). European Journal of Biotechnology and Bioscience, 6 (1) : 24-29.

* **Kouadio K.S, Yapo E.S.S., Silué O., Adou B.Y.C & Kouakou T.H. (2018).** Influence of Carbohydrates on Callus Proliferation During Somatic Embryogenesis in Pineapple [*Ananas Comosus* (L.) Merr. (Bromeliaceae) Var. Cayenne Smooth Cultivar CI 16]. European Scientific Journal, 14 (15) : 287-297.

* **Kouassi K.M, Koffi K.E, Silué O., Tahi G.M., Touré M. & Konan K.P.E (2018).** Comparison of systems combining auxins with thidiazuron or kinetin supplemented with polyvinylpyrrolidone during embryogenic callus induction in three *Theobroma cacao* L. genotypes. International. Journal of. Biological and. Chemical. Sciences, 12 (2) : 804-811.

* **Silué O., Kouassi K.M., Koffi K.E., Kouakou K.E.P. & Aké S. (2017).** Effect of Adenine sulphate, Casein hydrolysate and Spermidine on *in vitro* shoot multiplication of two banana varieties (FHIA-21 and PITA-3). African Journal of Biotechnology, 16 (46) : 2152-2159.

* **Silué O, Kouassi K.M., Kouadio D. & Koffi K.E. (2017).** Data sheet on the acclimatisation of plantain vitroplants, CNRA

* **Kouadio O.K.S., Yapo E.S., Kouassi K.M., Silue O., Koffi E. & Kouakou T.H. (2017).** Improved callogenesis and somatic embryogenesis using amino acids and plant growth regulators combination in pineapple [*Ananas comosus* (L.) Merr. (Bromeliaceae)]. European Journal of Biotechnology and Bioscience. 5 (5) : 6-16.

* **Koné M., Silué O., Kouassi K.M., Koné D. & Aké S. (2012).** Influence of culture medium and explant type on voandzou callus induction [*Vigna subterranea* (L.) Verdc.

	<p>(Fabaceae)]. Rev.CAMES-Série A, 13 (2) :53-56.</p>
<p>SKILLS AND AREAS OF INTEREST</p>	<p>Languages French (written and spoken): excellent / English (written and spoken): fair</p> <p>Information Technology Word, Excel, Internet, PowerPoint, Statistical analysis of data (STATISTICA)</p> <p>Areas of Interest Sport (football), Reading, Travel and Scrabble</p> <p>Community life Member of the Ivorian Association of Agronomic Sciences (AISA) Member of the mutual society of the Central Laboratory of Biotechnology (LCB)</p>
<p>REFERENCES</p>	<p>*Prof AKÉ Séverin, Phytopathologist / Director of the Research Valorisation Service (SERVAL) at the Félix Houphouët-Boigny University, Abidjan / Cel : + (225) 01 11 67 65 / E-mail : akeseverin08@yahoo.fr</p> <p>* Prof KONÉ Mongomaké, Biotechnologist at the Biology and Plant Production Improvement Laboratory of the Nangui-Abrogoua University /Cel : + (225) 44 23 04 94/ E-mail : mongokoné@yahoo.fr</p> <p>*Dr POKOU Désiré Researcher/Director of the Central Biotechnology Laboratory of the National Agricultural Research Centre (CNRA)/ Cel : + (225) 48118826 / E-mail : desire.pokou@gmail.com</p> <p>*Dr KOUASSI Kan Modeste Researcher/Geneticist Plant Physiology Laboratory, UFR Biosciences, Félix Houphouët-Boigny University, Cel : + (225) 02 21 00 05 / E-mail : kan.modeste.kouassi@gmail.com</p>

Certified and true, on 05th May, 2023