

## CURRICULUM VITAE

### PERSONAL DATA

Salutation: Dr.  
Surname: YAMEOGO  
First name: Poulouma Louis  
Date of birth: 15-03-1982, Ouagadougou, Burkina Faso  
Marital Status: Married, 3 children  
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### PROFILE

Yameogo P. Louis has cumulative experience of twelve years in rice research, Agro-pedology, Agronomy, and natural resources management. His research addresses the improvement of rice-based cropping systems, soil fertility management, and plant nutrition, with a great interest in precision agriculture. He is also an expert in agricultural experimentation, biometrics, and data analysis. He acquired a diversified experiences in defining, conducting and supervising research activities in relation to rice agronomy.

Yameogo P. Louis started his Career in 2009 as agronomic engineer in the rice research program of the Institute of the Environnement and Agricultural Research (INERA), one the five intitutes of the National Center of Research and Technology (CNRST) in Burkina Faso. His work has enabled the dissemination, and validation of several technologies to improve rice based cropping system in Burkina Faso, such as Urea Deep Placement (UDP), the System of Rice Intensification (SRI), the Alternate Wetting and Drying (AWD). Acting as the assistant of the focal point of AfricaRice agronomy taskforce in Burkina Faso (from 2013 to 2015), his work served as a basis for the calibration and validation of the model of the nutrient manager (RiceAdvice) for Burkina Faso. He also conducted the yield gap survey in 2013, which conducted to the implementation of a basket of good agricultural practices in upland and lowland rice.

In addition to national research, Yameogo P. Louis joined the Center for Development Research (ZEF in German) at the University of Bonn (Germany) as a junior researcher, from 2013 to 2017. His studies leading to a Ph.D. focused on soil nitrogen dynamics and his relationship with rice production in West Africa.

In July 2022, Yameogo P. Louis was promoted (*Maître de Recherche*) to the African and Malagasy Council for Higher Education and Research (CAMES) as a researcher in agronomy, specializing in soil science.

### WORK EXPERIENCE

September 2023 to date	Managing Director of the National Bureau of Soil (BUNASOLS)
July 2022 to date	Senior Researcher <i>Maître de Recherche, CAMES</i> CNRST / INERA / Rice Research Program, Burkina Faso
2018 to 2022	Senior Researcher <i>Chargé de Recherche (CAMES), CNRST/ INERA / Rice Research Program, Burkina Faso</i>
2017 to 2018	Junior Researcher <i>Attaché de Recherche, CNRST / INERA / Rice Research Program, Burkina Faso</i>

2015 to 2017                      Research Engineer, CNRST / INERA / Rice Research Program,  
Burkina Faso

2009 – 2015                      Agronomist  
CNRST/ INERA / Rice Research Program, Burkina Faso

## EDUCATION BACKGROUND

2013 – 2017                      PhD in Agricultural sciences,  
*Ecology and Natural Resources  
Management*, University of Bonn, Germany

2010 – 2012                      Master in Integrated Natural Resources Management  
Nazi BONI University (ex Polytechnic university of Bobo-Dioulasso), Burkina  
Faso

2006 – 2009                      Agronomy engineer  
University Nazi BONI (ex Polytechnic university of Bobo-Dioulasso), Burkina  
Faso

2003 – 2006                      Degree in Biology/Chemistry  
Joseph KI ZERBO University (ex University of Ouagadougou), Burkina Faso

2003                                  Baccalaureate in science (D)  
Joseph KI ZERBO University (ex University of Ouagadougou), Burkina Faso

## OTHER PROFESSIONAL TRAINING

March, 2015                      Scientific Writing and data analysis  
Ouagadougou, Burkina Faso

February, 2014 Data Analysis  
AfricaRice, Cotonou, Benin

## LANGUAGES AND SOFTWARE SKILLS

English	Fluent
French	Native
Data analysis (SPSS, STATA, GENSTAT, Rcmdr, SIGMAPLOT)	Excellent

## SCIENTIFIC PUBLICATIONS

### REGULAR ARTICLES

**Article 1.** Kalifa COULIBALY, Mamadou TRAORE, Alain P.K. GOMGNIMBOU, **Louis P. YAMEOGO**, Bernard BACYE et Hassan B. NACRO, 2023. Effets de différents modes de gestion de la fertilité du sol sur les performances du niébé (*Vigna unguiculata*) et de l'Ambérique (*Vigna radiata*) à l'Ouest du Burkina Faso. Int. J. Biol. Chem. Sci. 17 (1) 267-280.

**Article 2.** Hillary Marie Michelle Compaore, Élie Serge Gaëtan Sauret, Ouindinboudé Jacques Kissou, Mahoubé August Abdon Kinglo, Pascal Bazongo, **Poulouma Louis Yameogo**, Mamadou Koita, Idriss Serme, 2022. Use of Multi-Method Approach for a Gravity Irrigation Network Diagnosis: Case of Karfiguela Paddy Field in Burkina Faso. *Agricultural Sciences*, 2022, 13, 1396-1420

**Article 3.** August M. Abdon KINGLO, Elie Serge Gaetan SAURET, Mahamadou KOITA, Marie Michelle Hillary COMPAORE, Jacques KISSOU, **Louis Poulouma YAMEOGO**, Idriss SERME, 2022. Using VLF-EM, electrical sounding and pumping test in large-diameter wells to characterize shallow groundwater – a case study of the Karfiguela paddy field in Burkina Faso, *Groundwater for Sustainable Development* 20 (2023) 100867

**Article 4.** OUEDRAOGO Harouna, DIALLO Yacouba, HIEN Edmond, **YAMEOGO Poulouma Louis**, Udo NEHREN, 2022. Socio-economic indigenous drivers of soils and water conservation practices use to cope with climate change in the region of plateau in Burkina Faso. *Int. J. Biol. Chem. Sci.* 16(6): 2841-2856

**Article 5.** SAURET Élie Serge Gaëtan, COMPAORE Hillary Marie Michelle, KISSOU Ouindinboudé Jacques, **YAMEOGO Poulouma Louis**, and SERME Idriss, 2022. Hydrogeochemistry of Shallow Groundwater and Suitability to Irrigation: The Case of the Karfiguéla Paddy Field in Burkina Faso, *Water* 2022, 14, 2574.

**Article 6.** **Yameogo Poulouma Louis**, Mathias Becker, Zacharie Segda, 2021. Seasonal soil nitrogen dynamics affect yields of lowland rice in the savanna zone of West Africa. *Journal of Plant Nutrition and Soil Science*, 184 (1) : 98 - 111

**Article 7.** **Poulouma Louis Yameogo**, Adama Traore, Bandaogo Alimata Arzouma, 2021. Influence des modes de gestion de l'eau et de la fumure minérale sur quelques paramètres chimiques du sol et le rendement du riz à la Vallée du Kou au Burkina Faso. *Journal of Applied Biosciences* 165 : 17099 - 17110.

**Article 8.** Adama Traore, Alimata Bandaogo, **P. Louis Yameogo**, K. Rodrigue Anadi, Karim Traore, Pascal Bazongo, and Ouola Traore, 2021. Effets du dimensionnement des trous de zai sur le rendement du maïs en zone Sud-soudanienne du Burkina Faso. *International Journal of Innovation and Applied Studies*, 33 : 435-442

**Article 9.** Adama Traoré, **Louis P. Yameogo**, Olivier Djiendiere, Karim Traoré, Pascal Bazongo, Ouola Traore, 2021. Effets comparés du tourteau de neem [*Azadirachta indica* (A. Juss)] et du compost sur le rendement du sorgho [*Sorghum bicolor* (L. Moench)] en zone Sud-soudanienne du Burkina Faso. *Journal of Applied Biosciences* 163 : 16834 - 16845

**Article 10.** **Yameogo Poulouma Louis**, Mathias Becker, Zacharie Segda, 2020. Seasonal soil nitrogen dynamics affect yields of lowland rice in the savanna zone of West Africa. *Journal of Plant Nutrition and Soil Science*, (000) 1-14

**Article 11.** Adama Traore, **Louis Poulouma Yameogo**, Isdine Aziz Nabon Da, Karim Traore, Pascal Bazongo et Ouola Traore, 2020. Effet de la formule unique d'engrais 23-10-05 +3,6S+2,6Mg+0,3Zn sur le rendement du maïs Barka dans la zone Sud-soudanienne du Burkina Faso. *Afrique Science* 16 (1) : 260 - 270

**Article 12.** Adama Traoré, **P. Louis Yameogo**, Da Isdine Aziz Nambon, Karim Traoré, Pascal Bazongo et Ouola Traoré, 2019. Utilisation du tourteau de neem (*Azadirachta indica*) et de la micro-dose d'engrais minéraux pour la production du maïs en zone Sud-soudanienne du Burkina Faso. *Int. J. Biol. Chem. Sci.* 13 (6) : 2618-2626

**Article 13.** Traoré Adama, Traoré Karim, **Yaméogo P. Louis**, Traoré Ouola, Hebié A. Kevin and Pooda Inoc. 2018. Use of neem (*Azadirachta indica*) seed cake to improve lowland rice production, International Journal of Development Research, 8 (09), 22842-22845.

**Article 14.** Adama Traoré, **P. Louis Yameogo**, Da Isdine Aziz Nambon, Karim Traoré, Pascal Bazongpo et Ouola Traoré, 2019. Utilisation du tourteau de neem (*Azadirachta indica*) et de la micro-dose d'engrais minéraux pour la production du maïs en zone Sud-soudanienne du Burkina Faso. *Int. J. Biol. Chem. Sci.* 13(6): 2618-2626

**Article 15.** Traoré Adama, Traoré Karim, **Yaméogo P. Louis**, Traoré Ouola, Hebié A. Kevin and Pooda Inoc. 2018. Use of neem (*Azadirachta indica*) seed cake to improve lowland rice production, International Journal of Development Research, 8 (09), 22842-22845.

**Article 16.** **Yameogo P. L.**, Becker M., Segda Z., 2017. Factors modulating seasonal soil nitrogen dynamics in the West African savanna zone. International Journal of Agriculture and Environmental Research, 3 (6): 4413-4426. ISSN: 2455-6939

**Article 17.** Tanaka A., Johnson J-M., Senthilkumar K., Akakpo C., Segda Z., **Yameogo Louis P.L.**, Bassoro I. et al., 2017. On-farm rice yield and its association with biophysical factors in sub-Saharan Africa. European Journal of Agronomy, 85: 1-11

**Article 18.** Segda Z., **Yameogo P. L.**, Sie M., Bado B.V., Mando A., 2014. Nitrogen use efficiency by NERICA varieties in Burkina Faso. African Journal of Agricultural research 9 (15): 1172-1179. ISSN: 1991-637X

**Article 19.** Segda Z., **Yameogo P. L.**, Bonzi M., Sedogo M. P., 2014. Le carbone et l'azote dans les différentes fractions granulométriques d'un sol brun eutrophie tropical sous irrigation de Bagré, Burkina Faso. Journal of Applied Biosciences 78: 6743-6752. ISSN 1997-5902

**Article 20.** Segda Z., **Yameogo P. L.**, Mando A., Saito K., Wopereis C. S. M., Sedogo M. P., 2014. Le phosphore limite-t-il la production intensive du riz dans la plaine de Bagré au Burkina Faso ? International Journal of Biological and Chemical Sciences, 8 (6): 2866-2878. ISSN 1997-342X (en ligne), ISSN 1991-8631 (papier)

**Article 21.** Segda Z., **Yameogo P. L.**, Gnankambary Z., Sedogo M.P., 2013. Effets induits du type de fumure sur les paramètres chimiques du sol et sur le rendement paddy dans la plaine rizicole de Bagré au Burkina Faso. Journal de la Société Ouest-Africaine de Chimie, 036 : 35-46. ISSN: 0796-6687

**Article 22.** **Yameogo P. L.**, Segda Z., Dakouo D., Sedogo M.P., 2013. Placement profond de l'urée et amélioration de l'efficacité d'utilisation de l'azote en riziculture irriguée dans le périmètre rizicole de Karfiguela au Burkina Faso. Journal of Applied Biosciences, 70: 5523-5530. ISSN 1997-5902

**Article 23.** **Yameogo P.L.**, Traore M., Segda Z., Mando A., Dakouo D., Sedogo M.P., 2012. Amélioration des rendements et du revenu des producteurs rizicole par le placement profond de l'urée super granulée au Burkina, Sciences et Technique/Science Naturelle et Agronomie, 32 (1-2): 85-95. ISSN 1011-6028

## TECHNICAL SHEETS

**Technical Sheet 1.** **Yameogo Poulouma Louis**, Traoré Adama, Becker Mathias, 2021. Comprendre la dynamique de l'azote du sol dans les bas-fonds traditionnels. Fiche Technique INERA CNRST/INERA/FT/2021-065, Ouagadougou, Burkina Faso, 4p

**Technical Sheet 2.** **Yameogo Poulouma Louis**, Traoré Adama, Becker Mathias, 2021. Gestion de l'azote du sol par les plantes de couverture pour une production accrue du riz de bas-fond. Fiche Technique INERA CNRST/INERA/FT/2021-066, Ouagadougou, Burkina Faso, 4p

**Technical Sheet 3.** Traore Adama, Bandaogo Alimata, **Yameogo Poulouma Louis**, Anadi K. Rodrigue, Traore Karim, Bazongo Pascal, Traore Ouola, 2021. Le dimensionnement des trous de zaï et la micro-dose d'engrais comme mesures d'adaptation aux variabilités pluviométriques dans la culture du maïs à l'Ouest du Burkina Faso. Fiche Technique *CNRST/INERA/FT/2021-063*, Ouagadougou, Burkina Faso, 4p

**Technical Sheet 4.** Traore Adama, **Yameogo Poulouma Louis**, Djindiere Olivier, Traore Karim, Bazongo Pascal, Traore Ouola, 2021. Amélioration de la productivité du sorgho par l'utilisation du tourteau de Neem et des engrais minéraux au Burkina Faso. Fiche Technique *CNRST/INERA/FT/2021-064*, Ouagadougou, Burkina Faso, 4p

**Technical Sheet 5.** Traoré Adama, **Yameogo Poulouma Louis**, Da Nabon Aziz, Traoré Karim, Bazongo Pascal ; Traoré Ouola, 2020. Amélioration de la productivité du maïs par l'utilisation de la formulation unique d'engrais maïs 23-10-05 + 3,6 S + 2,6Mg + 0,3Zn. Fiche Technique, INERA-CNRST N°2020-077, Ouagadougou, Burkina Faso, 4p.

**Technical Sheet 6.** Traoré Adama, **Yameogo Poulouma Louis**, Da Nabon Aziz, Traoré Karim, Bazongo Pascal ; Traoré Ouola, 2020. Amélioration de la productivité du maïs par l'utilisation du tourteau de Neem comme amendement des sols au Burkina Faso. Fiche Technique, INERA-CNRST N°2020-078, Ouagadougou, Burkina Faso, 4p.

**Technical Sheet 7.** Traoré Adama, **Yameogo Poulouma Louis**, Da Nabon Aziz, Traoré Karim, Bazongo Pascal ; Traoré Ouola, 2020. Amélioration de la productivité du riz de bas-fond par l'utilisation du tourteau de Neem comme amendement des sols au Burkina Faso. Fiche Technique, INERA-CNRST N°2020-079, Ouagadougou, Burkina Faso, 3p.

**Technical Sheet 8.** **Yameogo P. L.**, Traoré A., Segda Z., Bako A., Ouedraogo I., 2017. Un système de riziculture intensif (SRI) de Basfond au Burkina Faso. Fiche Technique, INERA-CNRST, Ouagadougou, Burkina Faso, 4p.

**Technical Sheet 9.** **Yameogo P. L.**, Segda Z., Traoré A., Bako A., Mando A., 2017. Performances agronomiques et économiques du Placement Profond de l'Urée Super Granulée (PPU) au Burkina Faso. Fiche Technique, INERA-CNRST, Ouagadougou, Burkina Faso, 4p.

**Technical Sheet 10.** **Yameogo P. L.**, Segda Z., Dakouo D., Mando A., Sedogo P. M., 2014. Technologie du placement profond de l'urée (PPU) super granulée au Burkina Faso. Fiche Technique, INERA-CNRST, Ouagadougou, Burkina Faso, 3p.

**Technical Sheet 11.** Segda Z., **Yameogo P. L.**, Traore T., Sedogo P. M., 2012. Technique de compostage en tas de la paille de riz. Fiche Technique, INERA-CNRST, Ouagadougou, Burkina Faso, 2p.

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**Poulouma Louis YAMEOGO**