

CURRICULUM VITAE



I – CIVIL STATUS

Name : Souradji Idrissou Bachirou

Date and place of birth: January, 1st 1992 in Bakou

Nationality: Beninese

Marital status: Married

Qualification: Master's degree in Precision Agriculture/Agronomy/Agricultural Entomology/Crop Protection.

Institutions: Precision Agriculture Laboratory, NGAP, UNESP, Brazil / Crop Protection Laboratory, INRAB, Benin.

Cel : +55 (16) 997577222 / (+229) 96506577

E-mail : ib.souradji@unesp.br / Souradjiidrissou8@gmail.com

Current residence: Jaboticabal, SP, Brazil.

[Souradji Idrissou Bachirou / LinkedIn](#)

www.linkedin.com/in/souradji-idrissou-8334452b2

II - PROFESSIONAL EXPERIENCES.

A - Technical and editorial fields

Periods	Institutions and/or Employers	Functions/Missions/Activities
August 2023 to April 2024	UNESP - Universidade Estadual Paulista "Júlio de Mesquita Filho	Master's training in the fields of: -Digital and precision agriculture (crop protection through pests integrated management, use of drones and proximal hyperspectral remote sensing) ; -Climate hazard prediction and environmental protection; -Food safety and hygiene.
11 to 13 April, 2023	- Food and Agriculture Organization (FAO) ; -Support Laboratory for the Crops Defense (LADC)/ National Institute of Agricultural Research of Benin (INRAB)	Participation in training: Global Action against the Fall armyworm (CLA), training session on FAMEWS (a new data collection software) for Crop Protection Brigadiers in Benin.
March, 2021 to January 2023	Support Laboratory for the Crops Defense (LADC)/	- Diagnosis study of bees parasites (<i>Varroa destructor</i> and <i>Aethina tumida</i>) and pests and evaluation of the impact on

	National Institute of Agricultural Research of Benin (INRAB)	the quality of honey of the agricultural exploitations in Benin, - Evaluation of the effectiveness of the aqueous solution of the bio insecticide, aqueous solution of the palmida soap against the Fall Armyworm (<i>Spodoptera frugiperda</i>) in maize crops in Benin
	Support Laboratory for the Crops Defense (LADC)/ National Institute of Agricultural Research of Benin (INRAB); Tropical International Institute of Agriculture (IITA, Bénin)	- Rearing of the FAW, <i>Spodoptera frugiperda</i> and its parasitoids <i>Coccygidium luteum</i> , <i>Chelonus bifoveolatus</i> , <i>Cotesia</i> sp., <i>Charops</i> sp., <i>Telenomus remus</i> in laboratory conditions, - Conduct of experiments in real environments within the framework of biological control of insect pests, - Participation in the development and conduct of the BIOFAWMA AG-4588 project within the framework of the scaling up of alternative methods against the Fall Armyworm in Benin, -Participation in the elaboration of the research project in the framework of the fight against <i>Trabanta rufisquamata</i> , oil palm pest in South Benin ; -Participation and management of the project of management of obsolete pesticides stored in the stores of the former SONAPRA in Benin ; -Mass rearing of the armyworm <i>Spodoptera frugiperda</i> and its parasitoids notably <i>Coccygidium luteum</i> and <i>chelonus bifoveolatus</i> , -Conduct of research protocols and projects in stations and in farmers' areas
January, 2020 to February, 2021	Support Laboratory for the Crops Defense (LADC)/ National Institute of Agricultural Research of Benin (INRAB)	-Mass rearing of the FAW, <i>Spodoptera frugiperda</i> and its parasitoids <i>Coccygidium luteum</i> and <i>chelonus bifoveolatus</i> , -Conduct of research protocols and projects in stations and in farmer's areas
	Support Laboratory for the Crops Defense (LADC)/ National Institute of Agricultural Research of Benin (INRAB) Tropical International Institute of Agriculture (IITA, Bénin)	Capacity building training on fall armyworm natural enemy collection, mass rearing and parasitoids release technical conducted at the International Tropical Institute of Agriculture of Benin (ITTA, Benin)

	<p>Foundation for Scientific Research (FORS)/CoMAL project, Regional Institute of Public Health (IRSP)/Ouidah Santé Public (IRSP)/Ouidah</p>	<p>- Biologist, in charge of microscopic diagnosis of malaria : Survey in the communes of Ouidah and Kpomassè, collection of blood samples, laboratory diagnosis, detection of <i>falciparum plasmodiums</i> ; malariae, vivax and ovale ; determination of the prevalence of the types of malaria in South-Benin ;</p> <p>- Capacity building on cell production: Case of <i>plasmodium falciparum</i>. Realization of PCR</p>
	<p>Foundation for Scientific Research (FORS)/CoMAL project</p>	<p>- Biologist, responsible for the microscopic diagnosis of malaria for the FORS/CoMAL project whose study is entitled: Co-infections of Plasmodium spp. species in Anopheles mosquitoes.</p> <p>- Pilot study of parasite-vector interactions that define malaria transmission in southern Benin : Communes of Ouidah and Kpomassè</p>
<p>January, 2018 to December, 2019</p>	<p>Support Laboratory for the Crops Defense (LADC)/ National Institute of Agricultural Research of Benin (INRAB)</p>	<p>-Participation in the quarterly Scientific Technical Committees of CRA-Agonkanmey : Presentations of the achievements and perspectives of research in different fields of the agricultural sector by researchers and research assistants</p> <p>- Research work of the different laboratories and programs. Elaboration of technical and practical advice for the benefit of producers</p>
	<p>Foundation for Scientific Research (FORS)/CoMAL project</p>	<p>Training on microscopic diagnosis of malaria at the Lambaréné Medical Research Center (CERMEL)/Gabon, attested by a certificate of completion</p>
	<p>Support Laboratory for the Crops Defense (LADC)/ National Institute of Agricultural Research of Benin (INRAB)</p>	<p>Training of producers on integrated pest management techniques against the fall armyworm, <i>Spodoptera frugiperda</i></p>
	<p>Foundation for Scientific Research (FORS)/CoMAL project</p>	<p>Training on microscopic diagnosis of malaria at the Lambaréné Medical Research Center (CERMEL)/Gabon, attested by a certificate of completion</p>
	<p>Support Laboratory for the Crops Defense (LADC)/ National Institute of Agricultural Research of Benin (INRAB)</p>	<p>Participation in the Information workshop on the Globally Harmonized System (GHS) for the better integration in the law on the Management of Chemicals and Pesticides and their wastes (PGPC) in Republic of Benin at INFOSEC/Cotonou.</p> <p>Organized by the Ministry of Environment and Climate, 13 ministries took part in this workshop</p> <p>Efficacy test of the insecticide NANKOFLA 12.5 EC</p>

		(Deltamethrin 12.5g/L) against insect pests of the amaranth crop in South Benin
	Support Laboratory for the Crops Defense (LADC)/ National Institute of Agricultural Research of Benin (INRAB)	Participation in the mass rearing of the FAW, <i>Spodoptera frugiperda</i> , for the detection of possible parasitoids and testing the effectiveness of botanical extracts in the laboratory
		Diagnostic study of insect pests of citrus and some practical advice on protection methods in the departments of Couffo and Mono
		Restitution of research findings and advice on the use of agricultural inputs, particularly crop protection pesticides, to cowpea producers in Torri-Bossito
		Drafting of research protocols, execution and conduct of experimentation in a controlled environment on the effectiveness of the insecticides SUP-METHRINE 2.5 EC (Deltamethrin 25g/L) and LAMBDA-FORCE 2.5 EC (Lambdacyhalothrin 25g/L) against pests in amaranth crops in South Benin
	Support Laboratory for the Crops Defense (LADC)/ National Institute of Agricultural Research of Benin (INRAB)	Development and implementation of new technical methods for the protection of vegetable, food and fruit crops in the Republic of Benin
	Support Laboratory for the Crops Defense (LADC)/ National Institute of Agricultural Research of Benin	Drafting of technical protocols for research, execution and conduct of experiments in station and farmer environment on the effectiveness of an insecticide LEGUMAX-SUPER 56 EC (Deltamethrin 24g/l and Acetamiprid 32 g/l) against cowpea pests (<i>Maruca vitrata</i> ; <i>Megalurothrips sjostedti</i> ; <i>Ootheca mutabilis</i> ; <i>Aphis craccivora</i>) in Benin
		Professional Expertise Training (JVEP), mentioned in a certificate of completion
		Participation of inocula preparation in the laboratory: case of bacteria (<i>Ralstonia Solanacearum</i>); entomopathogenic champions and their efficiency tests on <i>Spodoptera frugiperda</i>
		Participation in the diagnostic study of citrus pests (<i>Bactrocera dorsalis</i> and <i>Ceratitidis capitata</i>) in the departments of Zou and Collines (Benin)
		Participation in the diagnostic and identification study of fruit fly parasitoids infested with fruit crops: case of mangoes harvested in the South and North of Benin
2015-2016	Support Laboratory for the Crops Defense (LADC)/	- Drafting of the research protocols, execution and conduct of the experiment on the effectiveness of

	National Institute of Agricultural Research of Benin (INRAB)	PlantNeem (Azadirachtin and nimbidin) against the amaranth pests (<i>Spoladea recurvalis</i> and <i>Psara basalis</i>) in South-Benin - Drafting of research protocols, execution and conduct of the trial on the effectiveness of the ANAMED insecticide complex (Pheromone + Spinosad) against mango fruit flies in South-Benin
September, 03-06, 2016	Biomedical Analysis Laboratory in FSS (Benin) Biomedical Analysis Laboratory of IRGIB Africa	Microscopic work on blood smears for the observation and determination of red blood cells lysed by <i>plasmodium falciparum</i>
March- June, 2016	Support Laboratory for the Crops Defense (LADC)/ National Institute of Agricultural Research of Benin (INRAB)	Participation in the elaboration and development of analysis methods, new or already existing products within the framework of research protocols and projects: drafting of protocols and research project on the control based on botanical extract and chemical pesticide of the armyworm, <i>Spodoptera frugiperda</i> , infested with the culture of corn in Benin. Conduct of experiments in stations and in the field
2016-2023	Support Laboratory for the Crops Defense (LADC)/ National Institute of Agricultural Research of Benin (INRAB)	Participation in the quarterly Scientific Technical Committees of the Agonkanmey Agricultural Research Center (CRA-A)/INRAB/Bénin
		Participation in the writing of Bachelor's and Master's degree dissertations for academic trainees
2015-2017	University of Abomey-Calavi (UAC)	Tutorial for 1 st year students of Chemistry-Biology-Geology (CBG) and Biomedical Analysis of IRGIB/Benin
June to September, 2015	Laboratory of Entomology Applied/University of Abomey-Calavi (UAC)	Academic trainee of end of training of professional license on the research topic : Mosquito breeding and large-scale production of the parasitoid, entomopathogenic nematode (<i>Romanormis iyengari</i>) for the rational control of <i>Anopheles gambiae</i> in South Benin
		Microscopic work on the determination of the concentration of solutions of entomopathogenic nematodes (<i>Romanormis iyengari</i>) for the inoculation of mosquito larvae (<i>Culex quinquefascitus</i>)
May to July, 2014	Laboratory of Entomology Applied/University of Abomey-Calavi (UAC)	Participation in microscopic work on the differentiation of eukaryotic cells from prokaryotic cells: case of onion tissue and bacteria (<i>bacillus thuringiensis</i> solution)
	Laboratory of Parasitology /	Participation in the work of microscopic diagnosis of intracellular parasites and study of agglutination solutions

	University of Abomey-Calavi (UAC)	: determination of blood groups
	Laboratory of Cell Biology University of Abomey-Calavi (UAC)	Participation in the in-depth study of microscoping: optical microscope; electronic; photonic and binocular magnifying glass
2012-2013	University of Abomey-Calavi (UAC)	Participation in the training in Agricultural Entrepreneurship new formula ; Civic and Citizen Engagement, organized by the International Youth Fellowship Fellowship (IYF), in partnership with the Forum for Strategic and Prospective Research (FRSP), Africa Tic Emplois, Foram Initiatives
2009-2011	Partago College of General Education (CEG I)	Delegate of Partago College of General Education (CEG I) (Djougou)

▪ PUBLICATIONS

❖ Articles

- 2024 : **Souradji I. Bachirou**^{1*}; Pedro G. Peixoto¹, David L. Rosalen¹; Fernanda S. Y. Watanabe². Resposta espectral de folhas de goiabeira sob infestação de *Costalimaita ferruginea* (Coleoptera: Chrysomelidae). (Manuscript in progress for publication in Anal of UNESP, Brasil).
- 2024: **Souradji I. Bachirou**^{1*}; Pedro G. Peixoto¹; David L. Rosalen¹; Nilton N. Imai². Resposta espectral de injúrias causadas por ácaros em folhas de citrus. (Manuscript in progress for publication in Anal of CONBRAAF, Brasil).
- 2024: **David L. Rosalen**^{1*}; Souradji I. Bachirou¹; Pedro G. Peixoto¹; Antonio M. G. Tommaselli²; Nilton N. Imai² ; Fernanda S. Y. Watanabe². Assinatura espectral de folhas de soja sob a deficiência de macronutrientes. (Manuscript in progress for publication in Anal of XIII COLÓQUIO BRASILEIRO DE CIÊNCIAS GEODÉSICAS).
- 2024 : **Souradji Idrissou Bachirou**^{1*} ; Ana Carolina Roque Cardoso¹ ; Marcella Caldeira Radenzeva Simões² ; David Luciano Rosalen¹. Géotechnologie et cartographie collaborative dans le contexte de l'agriculture urbaine. (Manuscript in progress for publication in OpenEdition Journals).
- 2024 : **Beatrice T. Nganso**^{1*}, Workneh Ayalew², Abebe J. Wubie², Freweini Assefa², Lulseged Belayhun², Nelly N. Ndungu¹, Z. Ngalo Otieno-Ayayo³, Mbatha B. Wambua¹, Yudah O. Oyieyo³, Ntirenganya Elie⁴, Rachidatou Sikirou⁵, **Souradji B. Idrissou**⁵, Willy Mwiza⁶, S. Turner⁷, Bridget O. Bobadoye⁸, Sidonie T. Fameni⁹, Sayemie Gaboe¹⁰, Mawufe K. Agbodzavu¹¹,

Patrick Mafwila¹², Geraud C. Tasse Taboue¹³, Kimathi Emily¹, Tonnang Henri¹, Saliou Niassy¹⁴, Simplicie N. Fonkou¹⁵, Christian W. W. Pirk¹⁶, Alison Gray¹⁷, Robert Brodschneider¹⁸, Victoria Soroker¹⁹, Sevgan Subramanian¹. Managed honey bee colony losses and causes during the active beekeeping season 2022/2023 in nine Sub-Saharan African countries. (Manuscript in preparation for publication in PLOS ONE).

➤ 2023 : **Idrissou B.S.**, TOKPA C., Sikirou R., Biou B.Y, Amagnidé G.A.Y.G., 2023. Protection of the Tchiayo crop against insect pests using the residue from the distillation of cashew apple juice in Benin. 27 p. (Manuscript in progress of being drafted).

➤ 2018 : Adèyè A. T.; Sikirou R.; Boukari S. A.; Aboudou M.; Amagnide G. A.Y. G.; **Idrissou B. S.**; Idrissou-Toure M.; Zocli B., 2018. Protection of maize crops against *spodoptera frugiperda* with PlantNeem, Lambdace 25 EC and Viper 46 EC insecticides and reduction of yield losses in Benin. J. Rech. Sci. Univ. Lomé (Togo), 20(2): 1-13.

❖ **Technical sheets**

- 2018 : Sikirou R. ; Nakouzi S. ; Adanguidi J. ; Bahama J., 2018. Recognition of maize pests in Benin and control methods - Technical sheet. Cotonou, FAO. 28 pp.
(Collaborators of Sikirou R. : **Idrissou B. Souradji** ; Boukari A. Sharif ; Aboudou Malick ; Idrissou-Toure Malick ; Zocli Bruno ; Dossoumou M-E. E. Akinni)
- 2018 : Sikirou R., Nakouzi S. ; Adanguidi J. ; Bahama J., 2018. Recognition of weeds in maize cultivation in Benin and control methods - Technical sheet. Cotonou, FAO. 28 pp.
(Collaborators of Sikirou R. : **Idrissou B. Souradji**. ; Boukari A. Sharif ; Aboudou Malick ; Idrissou-Toure Malick ; Zocli Bruno ; Dossoumou M-E. E. Akinni)
- 2018 : Sikirou R., Nakouzi S. ; Adanguidi J. ; Bahama J., 2018. Recognition of maize diseases in Benin and control methods - Technical sheet. Cotonou, FAO. 28 pp.
(Collaborators of Sikirou R. : **Idrissou B. Souradji** ; Boukari A. Sharif ; Aboudou Malick ; Idrissou-Toure Malick. ; Zocli Bruno ; Dossoumou M-E. E. Akinni)
- 2018 : Sikirou R., Nakouzi S. ; Adanguidi J. ; Bahama J., 2018. Recognition of maize pests in storage in Benin and control methods - Data sheet. Cotonou, FAO. 28 pp.
(Collaborators of Sikirou R. : **Idrissou B. Souradji** ; Boukari A. Sharif ; Aboudou Malick ; Idrissou-Toure Malick ; Zocli Bruno ; Dossoumou M-E. E. Akinni)

▪ **TECHNICAL REPORTS OF THE END OF THE EXPERIMENTS**

1. 2023 : **IDRISSOU B. Souradji** ; SIKIROU Rachidatou ; KENOU Bonaventure, 2023. Biological efficiency of the nematicides RIPOST GR (Oxamyl 60 g/kg) and VYTAL GR (Oxamyl 30 g/kg) against (*Daucus carota* subsp. sativus) root-knot nematodes in South Benin, Experimentation in progress, 14 p.
2. 2022 : **IDRISSOU B. Souradji** ; SIKIROU Rachidatou ; EDENAKPO K. Aimé, 2022 : Evaluation of the impact and management of the mite (*Varroa destructor*) and the small beetle (*Aethina tumida*) on bee colonies in bee farms and on the quality of honey produced in Benin 15 p.

3. 2022 : **IDRISSOU B. Souradji** ; SIKIROU Rachidatou ; MEDETOVOH S. Fréjus, 2022. Biological efficacy of the insecticide CypeForce 10% EC (Cypermethrin 10%) against tomato (*Solanum lycopersicum* L.) insects pests in Benin, 13 p.
4. 2022 : **IDRISSOU B. Souradji** ; SIKIROU Rachidatou ; DANON Elie ; MEDETOVOH S. Fréjus, 2022. Biological efficacy test of the insecticide CORAGEN 20 SC (Chlorantraniliprole 200 g/l) against tomato (*Solanum lycopersicum* L.) insects pest in Benin,14 p.
5. 2021 : **IDRISSOU B. Souradji** ; SIKIROU Rachidatou ; HOUNDETE Thomas ; MEDETOVOH S. Fréjus, 2021. Biological efficacy of ECOPTICIDE 10.5 SL (Terpineol-4 5% + Thymol 5.5%) against tomato (*Solanum lycopersicum* L.) in Benin, 16 p.
6. 2020 : **IDRISSOU B. Souradji** ; SIKIROU Rachidatou ; MEDETOVOH S. Fréjus ; AMAGNIDE G.Y. Aubin, 2020. Efficacy of the acaricide Abace 50 EC (Abamectin 1.8% + Acetamiprid 3.2%) against (*Solanum macrocarpon*) mites pest in South Benin 12 p.
7. 2020 : **IDRISSOU B. Souradji** ; SIKIROU Rachidatou ; MEDETOVOH S. Fréjus ; AMAGNIDE G.Y. Aubin, 2020. Efficacy of the acaricide Abalone 18 EC (Abamectin 1.8%) against (*Solanum macrocarpon*) mites pest in South Benin, 13 p.
8. 2020 : **IDRISSOU B. Souradji** ; SIKIROU Rachidatou ; YAROU B. Barthélémy ; AMAGNIDE G.Y. Aubin, 2020. Biological efficacy test of cashew apple distillation residue against (*Ocimum gratissimum* L.) insects pest in South-Benin, 21 p.
9. 2019 : **IDRISSOU B. Souradji** ; SIKIROU Rachidatou ; AMAGNIDE G.Y. Aubin, 2019. Efficacy test of the insecticide NANKOFLA 12.5 EC (Deltamethrin 12.5 g/l) against (*Amaranthus cruentus* L.) insects pest in Benin, 9 p.
10. 2019 : **IDRISSOU B. Souradji** ; SIKIROU Rachidatou ; AMAGNIDE G.Y. Aubin, 2019. Efficacy test of the bio-insecticide RAPAX-AS (*Bacillus thuringiensis*) against the fall armyworm (*Spodoptera frugiperda* J.E. Smith) in maize (*Zea mays*) in South Benin,13 p.
11. 2018 : **IDRISSOU B. Souradji** ; SIKIROU Rachidatou ; GBENOU Tania ; AMAGNIDE G.Y. Aubin, 2018. Efficacy of the insecticide Sup-methrin 2.5 EC (Deltamethrin 25 g/L) against (*Amaranthus cruentus* L.) insects pest in Benin, 10 p.
12. 2018 : **IDRISSOU B. Souradji** ; SIKIROU Rachidatou ; AMAGNIDE G.Y. Aubin, 2018. Efficacy test of MAREL insecticide (*Emamectin benzoate* 30g/l) against the fall armyworm (*Spodoptera frugiperda* J.E. Smith) in maize crop in South Benin, 14 p.
13. 2018 : **IDRISSOU B. Souradji** ; SIKIROU Rachidatou ; AMAGNIDE G.Y. Aubin, 2018. Efficacy of the insecticide LEGUMAX SUPER 56 EC (Deltamethrin 24 g/l and Acetamiprid 32 g/l) against cowpea (*Vigna unguiculata*) insects pests in South Benin, 13 p.
14. 2016 : ADEYE A. Théophile ; SIKIROU Rachidatou ; **IDRISSOU B. Souradji** ; BOUKARI A. Sharif ; ABOUDOU A. Malick ; AMAGNIDE G. Y. Aubin, 2016. Protection of maize (*Zea mays*) against *spodoptera frugiperda* with PlantNeem, Lambdace 25 EC and Viper 46 EC insecticides and reduction of yield losses in Benin, 20 p.
15. 2016 : SIKIROU Rachidatou ; BELLO Saliou ; ABOUDOU A. Malick ; **IDRISSOU B. Souradji**, 2016. Efficacy of the ANAMED insecticide complex (Spinosad) and the SPLAT MAT ME attractant for the control of mango fruit flies in southern and northern Benin, 22 p.

❖ Results of the end of the training courses ; of the training courses and professional mentions

- Acquisition of practical and professional skills ;
- Obtaining training certificates ;
- Obtaining the certificates of the training courses ;
- Receipt of letters of congratulations from the Director of the Centre de Agricultural Research Center of Agonkanmey (CRA-Agonkanmey) and the Crop Protection Support Laboratory (LADC/CRA-Agonkanmey/INRAB) ;
- Trainer of high school students in agricultural technical schools ;
- Mastery of management and conduct of laboratory activities ;
- Mastery of the development of research protocols and projects.

▪ CERTIFICATIONS

- Certificamos que **Souradji Idrissou Bachirou**, participou do Curso Simplifica Power BI Express, com carga horário total de 10 h ; realizado nos dias 19, 20, 21 e 22 de Agosto de 2024. Assinado por Prof. Italo Teotônio, Especialista em Power BI e Análise de Dados.
- O SAS Institute Brasil, certifica que **Souradji Idrissou Bachirou** concluiu o curso SAS® Visual Analytics para Iniciantes no dia 24 de agosto de 2024, totalizando 8 horas. SAS Education Brasil, Assinado por Prof. Luigi Barroso - Education Manager.
- Certificamos que **Souradji Idrissou Bachirou**, participou na qualidade de AVALIADOR, do evento III Simpósio de Ciência e Tecnologia de Alimentos (SICITAL), avaliando nas Modalidade(s) Artigo de Revisão, Artigo de Pesquisa científica e Artigo de Relato de experiência e Área(s) Temática(s) Biotecnologia e bioquímica e Desenvolvimento de novos produtos. Assinado por: Vivian Machado Benassi, Coordenadora do SICITAL e Joyce Maria Gomes da Costa, Coordenadora do PPGCTA, maio de 2024.
- A comissão científica do VII Congresso Brasileiro de Fitossanidade informa que o trabalho intitulado Resposta espectral de injúrias causadas por ácaros em folhas de citrus, de autoria de **Souradji Idrissou Bachirou**; Pedro Gomes Peixoto; David Luciano Rosalen; Nilton Nobuhiro Imai foi APROVADO para apresentação no referido evento. Assinado por CONBRAAF, Agosto de 2024.
- Certificamos que **Idrissou Souradji Bachirou** participou como Apoio do Pint of Science Brasil, realizado em Jaboticabal, nos dias 13, 14 e 15 de maio de 2024, com carga horária de 15 horas. Assinado por Luiz Gustavo De Almeida, Diretor Nacional.
- Certificamos que **Idrissou Souradji Bachirou** participou do Curso Simplifica Excel Express, com carga horária total de 10h, realizado nos dias 08,09, 10 e 11 Junho de 2024. Assinado por Prof. Italo Teotônio, Especialista em Excel e Power BI.

- Certificamos que **Souradji Idrissou Bachirou** participou do "Minicurso: IA na Pesquisa Científica: Utilizando Ferramentas na Prática", da ação de extensão "Encontro Internacional de Gestão, Desenvolvimento e Inovação - VII EIGEDIN", realizado pelo Câmpus de Naviraí da Fundação Universidade Federal de Mato Grosso do Sul, no período de 04 a 07/06/2024, com carga horária de 2 horas. Assinado por Agnaldo Antonio dos Santos, Coordenador da Ação e Victor Fraile Sordi, Diretor Substituto - Câmpus de Naviraí.
- Certificamos que **Souradji Idrissou Bachirou** participou do "Como utilizar IA no meu TCC, Dissertação ou Tese?", da ação de extensão "Encontro Internacional de Gestão, Desenvolvimento e Inovação - VII EIGEDIN", realizado(a) pelo Câmpus de Naviraí da Fundação Universidade Federal de Mato Grosso do Sul, no período de 04/06/2024 a 07/06/2024, com carga horária de 2 horas. Assinado por Agnaldo Antonio dos Santos, Coordenador da Ação e Victor Fraile Sordi, Diretor Substituto - Câmpus de Naviraí.
- Certificamos que **Souradji Idrissou Bachirou** participou da Ação de Extensão "Encontro Internacional de Gestão, Desenvolvimento e Inovação - VII EIGEDIN", realizada pelo(a) Câmpus de Naviraí da Fundação Universidade Federal de Mato Grosso do Sul no período de 04/06/2024 a 07/06/2024, com carga horária de 4 horas. Assinado por Agnaldo Antonio dos Santos, Coordenador da Ação e Victor Fraile Sordi, Diretor Substituto - Câmpus de Naviraí.
- Certificamos que **Souradji Idrissou Bachirou** participou do XVI WORKSHOP DE INVERNO EM ENTOMOLOGIA AGRÍCOLA, organizado pela Fundação de Apoio a Pesquisa, Ensino e Extensão - Funep, realizado na Unesp/FCAV – Câmpus de Jaboticabal, SP, no período de 22 a 25 de julho de 2024, na qualidade de MEMBRO DA COMISSÃO ORGANIZADORA, perfazendo um total de 200 horas. Jaboticabal, 25 de julho de 2024. Assinado por Prof. Dr. Ricardo Antonio Polanczyk, Coordenador e Prof. Dr. Pedro Luís da Costa Aguiar Alves, Diretor-Presidente da Funep.
- Certificate of Completion **Souradji Idrissou Bachirou** has successfully completed the Certificate in Personal Safety and Security PROGRAM DURATION: 2 Hours 35 Minutes COMPLETION DATE: Saturday, June 29, 2024. Assigned by Tina Bolding Director of DisasterReady Cornerstone OnDemand Foundation (Disasterready.org), Save the Children.
- Congratulations on your success this certificate of completion is awarded to **Souradji Idrissou Bachirou** for successfully completing the following learning program: Make me an agent of change for agriculture, livelihoods and water livelihoods and water, sanitation and hygiene. Completion date: Tuesday, June 11, 2024. Supplier: Mercy Corps. Duration: 12 Hours 45 Minutes. Assigned by Tina Bolding Director of DisasterReady Cornerstone OnDemand Foundatio (Disasterready.org).
- Congratulations on your success this certificate of completion is awarded to **Souradji Idrissou Bachirou** for successfully completing the following apprenticeship program:

Project Management. Completion date: Monday June 17, 2024. Provider: Cornerstone OnDemand Foundation (Disasterready.org). Duration: 2 Hours 30 Minutes.

- Congratulations on Your Completion This record of course completion is granted to **Souradji Idrissou Bachirou** for having successfully completed the following: Basic Principles of Humanitarian Aid. Completion date: Tuesday June 18, 2024. Provider: Cornerstone OnDemand Foundation (Disasterready.org). Duration: 1 Hour 30 Minutes 1 Hour 30 Minutes.
- **Souradji Idrissou Bachirou** Course Certificate: Budgeting and Project Planning. University of California, Irvine and offered through Coursera. Margaret Meloni, MBA, PMP. Instructor University of California, Irvine Division of Continuing Education, Aug 04, 2024. Verify at: <https://coursera.org/verify/F51N01A44PR4>.
- **Souradji Idrissou Bachirou** Course Certificate: Project management, the foundations of success. University of California, Irvine and offered through Coursera. Rob Stone, PMP, M.Ed. Instructor University of California, Irvine Extension, Jul 18, 2024. Verify at: <https://coursera.org/verify/LVXMBYXXV5DC>.
- **Souradji Idrissou Bachirou** Course Certificate: Introduction to Data Analytics. Authorized by IBM and offered through Coursera. Rav Ahuja Global Program, Director, Skills Network, Aug 04, 2024. Verify at: <https://coursera.org/verify/UTP54OAQA3OG>.
- **Souradji Idrissou Bachirou** Course Certificate: Digital Transformation. Authorized by University of Virginia and BCG and offered through Coursera. Michael Lenox Amame Dannouni, Ching Fong Ong. Aug 04, 2024. Verify at: <https://coursera.org/verify/Z7IUL1DIYMBA>.
- **Souradji Idrissou Bachirou** has successfully satisfied the requirements for: Data Analytics Essentials. Issued on: 28 Jul 2024, Issued by Coursera Authorized by IBM. Verify: <https://www.credly.com/go/VSZLj17o>.
- O SAS Institute Brasil, certifica que **Souradji Idrissou Bachirou** concluiu o curso SAS® DEV para Iniciantes | Programação SAS® no dia 11 de maio de 2024, totalizando 8 horas. SAS Education Brasil, Assinado por Prof. Luigi Barroso - Education Manager.
- O SAS Institute Brasil, certifica que Souradji Idrissou Bachirou concluiu o curso SAS® Guide para Iniciantes no dia 15 de junho de 2024, totalizando 8 horas. Assinado por Prof. Luigi Barroso - Education Manager.
- Certificamos que **Souradji Idrissou Bachirou** participou do SIMPÓSIO (de FITOSSANIDADE) sobre Pragas e Doenças da Cana-de-Açúcar - FITOCANA, organizado pela Fundação de Apoio a Pesquisa, Ensino e Extensão-Funep, realizado na Unesp/FCAV-Câmpus de Jaboticabal, SP, nos dias 21 a 22 de novembro de 2023, perfazendo um total de 12 horas. Assinado por Jisé Antonio De Souza Rossato Junior,

Coordenador; Dagmara Gomes Ramalho, Coordenadora e Profa. Dra. Maria Cristina Thomaz, Diretora-Presidentes da Funep.

▪ **STATISTICAL ANALYSIS TOOLS**

- Mastery of data analysis with the following software: R; SAS; Python; XLSTAT; SigmaPlot; MINTAB 14; Excel and AgroEsta.
- Mastery of georeferenced map production with QGIS software.

B -Mission area of the investigations

Periods	Institutions and/or Employers	Missions/Investigations
March 2022 July 2023	Support Laboratory for the Crops Protection (LADC)/ National Institute of Agricultural Research of Benin (INRAB)	-Diagnostic mission of the Varroa destructor mite in hives -Data collection mission on the damage of the armyworm <i>Spodoptera frugiperda</i> and its parasitoids in maize crops and effectiveness test of palmida soap solution on the armyworm larvae
April to September 2021	Support Laboratory for the Crops Defense (LADC)/ National Institute of Agricultural Research of Benin (INRAB)	-Missions to collect samples of obsolete pesticides from ex-SONAPRA stores in Benin, -Participatory evaluation missions with producers on the effectiveness of biopesticides on maize pests in the Research and Development (R&D) sites in Benin
March 2020 to March 2021	Support Laboratory for the Crops Defense (LADC)/ National Institute of Agricultural Research of Benin (INRAB)	Missions to monitor and collect data on experiments conducted in farming areas
January, 21-24, 2020	Support Laboratory for the Crops Defense (LADC)/ National Institute of Agricultural Research of Benin (INRAB)	Exchange mission with the presidents of the communal cells and heads of the market garden producers' groups of Sèmé-Kpodji
December, 28-31, 2018	Support Laboratory for the Crops Defense (LADC)/ National Institute of Agricultural Research of Benin (INRAB)	Exchange mission with the presidents of the communal cells and heads of the market garden producers groups of Sèmé-Kpodji
November, 10 -15, 2018	Support Laboratory for the Crops Defense (LADC)/ National Institute of Agricultural Research of Benin (INRAB)	Investigator on the diagnostic study of phytosanitary problems of citrus fruits in the department of Couffo, Mono, Zou and colline

October, 2018	Support Laboratory for the Crops Defense (LADC)/ National Institute of Agricultural Research of Benin (INRAB)	Investigator on the diagnostic study of the dynamics of the armyworm and alternative host plants in Borgou; Donga and Atacora
March, 10-15, 2017	Framework Program of Support for Development (ProCAD)/ PPAAO)	Investigator on the socio-economic impact study of the West Africa Agricultural Productivity Project
July, 05-17, 2016	International Tropical Institute of Agriculture of Benin (IITA)	Field investigator for the determination of pests and techniques of maize and rice cultivation in the departments of Borgou and Albori
August, 20-28, 2015	University of Abomey-Calavi (UAC)	Field investigator for the development of sustainable phytosanitary methods against cowpea pests in the Alibori department
May, 03-08, 2015	University of Abomey-Calavi (UAC)	Field investigator in the framework of the determination of the perception of the populations on the services of the mangrove ecosystems in the Mono department
Avril, 11-21, 2015	CARDER of Atacora-Donga	Field investigator for the determination of the producibility, the different prices on the market and the economic profitability of cashew in the departments of Atacora and Donga (North of Benin)
March, 12-14, 2015	Laboratory of Applied Entomology/ University of Abomey-Calavi	Field Investigator for the Porto-Novo Lake Waterfowl Study)

❖ **Missions results**

- Acquisition of professional experience in scientific research and in the conduct of experiment ;
- Mastery of data collection ;
- Mastery of the organization and conduct of missions ;
- Mastering the use of new data collection tools.

❖ **Other professional knowledge**

- Mastery of computer tools (Internet) and of Word, Excel and PowerPoint software ;
- Control of poultry, sheep, cattle and goat farms ;
- Control of the planning of agricultural activities ;
- Mastery of team management and organizational skills ;
- Mastery of effective and professional abstract writing.

III - ACADEMIC INFORMATION

YEARS	HIGHER EDUCATION	DIPLOMAS OBTAINED
2023-2024	Professional Master degree at UNESP/FCAV	Master in Agronomy/Agricultural Entomology/Digital and Precision Agriculture: in progress
2014-2015	3 rd year of Bachelor degree Professional at the UAC	Bachelor of Natural Sciences, Option : Animals Biology and Ecology / General Entomology
2013-2014	2 nd year of Bachelor's degree (CBG) at the UAC	DUES II
2012-2013	1 st year of Bachelor's degree (CBG) at the UAC	DUES I

A - SECONDARY EDUCATION

2011-2012	CEG II Djougou	BAC, D-series
2007-2008	CEG Partago	BEPC

B - PRIMARY EDUCATION

2002-2003	EPP Bakou	CEP
-----------	-----------	-----

IV - LANGUAGE SKILLS

Languages	French	English	Portuguese
Talking	Excellent	Quite Good	Quite good
writing	Very Good	Quite Good	Quite good

Reference of resource persons:

- **Prof. Dr. David Luciano Rosalen**, Professor of Nucleo Geomatics and Precision Agriculture (Department of Engineering and Exact Sciences), UNESP/FCAV, Jaboticabal, SP, Brazil
Phone : +55 16 98852-7362
Email : david.rosalen@unesp.br
- **Prof Dr Ir. Rachidatou SIKIROU**, Director of the Agricultural Research Center of Agonkanmey (CRA-A)/INRAB and Head of the Crop Protection Support Laboratory (LADC/INRAB)/Benin
Phone : +229 95 79 85 10

Email : rachidatous@yahoo.fr

- **Dr. Thomas HOUNDETE**, Entomologist at the Crop Protection Support Laboratory of Agonkanmey/CRA-Agonkanmey/INRAB/Benin
Phone: +22995810321
Email : houndetet@yahoo.fr
- **Dr. Yarou Barthelemy BONI**, Entomologist at the Crop Protection, International Institute of Tropical Agriculture (IITA)/Benin
Phone : +229 94 22 68 67
Email : boniyarou1981@gmail.com
- **Prof. Dr. Luc DJOGBENOU**, Director of Regional Institute of Public Health (IRSP)/Ouidah /Benin.
Phone : +22995 42 85 43
Email : ldjogbenou22002@yahoo.fr

▪ **ADAPTABILITY**

My moral guide is a job well done and my credo is discipline, order and punctuality. I enjoy working in a team, under pressure and I like to transmit my know-how. I am in excellent health with a great ability to adapt to new and environmental conditions

V - LOISIRS ET INTERETS PERSONNELS.

- ✓ Sports (soccer, running) and reading.

I certify to the best of my knowledge that the above information accurately reflects my status, qualifications and experience. I agree that any willful misrepresentation may result in my disqualification, or dismissal if I have been hired.

Done in Jaboticabal, September 05, 2024

Souradji IDRISOU B.