

CURRICULUM VITAE

Amadou Moustapha BEYE
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1. **Family name:** BEYE
2. **First names:** Amadou Moustapha
3. **Nationality:** Senegalese
4. **Civil status:** Married
5. **Education:** PhD in Genetics. Seed Expert / Rural Development Senior Specialist

Institution [Date from - Date to]	Degree(s) or Diploma(s) obtained:
Institute of Experimental Biology (Academy of Sc. USSR) // French Institute of Research on Cotton (IRCT, Montpellier) 1980 – 1984)	PhD, Genetics, 1984
Tashkent Agricultural Institute, Uzbekistan (1974 – 1980)	M.Sc., Plant Breeding, 1980
Lycée Djignabo de Ziguinchor, Senegal	Baccalauréat Serie D, 1974

⇒ Thesis

- a) **PhD** (1984): Influence of long-term inbreeding on the differentiation of cotton genotypes of *Gossypium hirsutum*. 140p + 20 annexes. Inst. of Experimental Biology under the Academy of sciences
Scientific supervisors: Prof. Nathalia, G. Simongoulia (Tachkent) and M. Buffet (IRCT / France – Montpellier)
- b) **MSc** (1980): Influence of 17 years inbreeding on the principal production characteristics of cotton varieties. Agric. Institute of Tashkent
Scientific supervisors: Prof. Nathalia, G. Simongoulia and Maya Igrovna (Tachkent)
- c) **Confirmation as ISRA Scientist** (1985): Improvement of cotton production systems. Agronomic studies on the principal constraints to the diffusion of the new variety IRMA 96 + 97. 71 p., D / AGRO - ISRA.

Other Training:

- Visiting scientist : IRCT / Montpellier, the French Cotton Institute (International trade, Fiber technology, Biotechnology, Property rights, Production of organic cotton) – 1986, 1988, 1990, 1993, 1996
- Plant genetic resources. Nairobi. Org. IBPGR / UNEP / IITA (1988)
- Safeguarding genetic resources. Ibadan, Org. IBPGR / IITA (1988)
- Tissue culture methods and their utilization in agriculture -Dakar, Org. UNESCO / UCAD (Dakar University – (1986)
- MSTAT and GENSTAT utilization. Dakar, Org. ISRA / MSU (1985)
- Photo industry and films. Senegal (1968) and Tashkent (1975)

⇒ Positions occupied

- AfricaRice Regional Representative (2011-)
- Head of AfricaRice Bouake station (2011 – 2016)
- Regional Coordinator of Emergency Program (2009 – 2010)
- Agronomist of Economic Growth Project Task Order 5 (USAID, 2008 – 2009)
- Agronomist / Seed Expert (FAO Investment Center, 2005 – 2008)
- Technical Director African Seed Network (2002 – 2005)
- Co-Founder of the Private Bureau BURISEM (Bureau international des semences et plants, 2002 - 2005)
- Director of Cotton Research Center (1991 - 1996)
- Acting Coordinator of Cotton Network IRCT / CORAF, 1994
- Program-Leader of Crop Diversification (1991 – 1996)

⇒ Supervision of students

- Bertrand Brou (PhD), UFHB – Côte d'Ivoire, 2014 - 2016
- Corine N'Guessan (PhD), UFHB – Côte d'Ivoire, 2014 - 2016
- Wassakou Kouame (PhD), UCAD – Senegal, 2013 - 2015
- Yeo Lassina (PhD), University of Bouake, Côte d'Ivoire, 2013 - 2015

- Dexter Tuo (MSc), ESA – Yamoussoukro, Côte d'Ivoire, 2014
- Kouassi Hatchouelou Guy-Charles (MSc), ESA – Yamoussoukro, Côte d'Ivoire, 2014
- Djibril Badiane (Confirmation Thesis), Cotton Plant Entomologist of Senegal, 1994
- Mara Sayon (MSc), Technical Director of Kankan Cotton Ginning Company, Tachkent, 1982
- Simon NKounkou (MSc), Director of Plant Protection Service of Congo. Tachkent 1982
- Amadou Aly Yattara (MSc), Cotton Plant Breeder IER Mali, Tachkent, 1981

6. **Language skills:** Indicate competence on a scale of 1 to 5 (1 - excellent; 5 - basic)

Language	Reading	Speaking	Writing
French	1	1	1
English	1	1	1
Russian	1	1	1
Spanish	3	3	3
Local African languages (Woloff, Mandingue, Dioula)	-	1	-

7. **Membership of professional bodies:**

- Member of the Editorial Committee of Sustainable Agriculture Research Canadian Center of Science and Education (2014-)
- Member of the Editorial Committee of IJAPR (International Journal of Agricultural Policy and Research, 2012-)
- Member of the Editorial Committee of IBME (Issues in Business Management and Economics, 2012-)
- Member of the Editorial Committee of Agronomie Africaine (2011 -)
- Member of the Steering Committee of PAPROSEM (Projet d'Appui à la Production et à la Diffusion Durable de Semences Certifiées en Afrique de l'Ouest, 2011-)
- Member of ICRISAT/CFC Steering Committee of the Groundnut Germplasm Seed Project (2004 -)
- Member of AFAMIN (African Agricultural Market Information Network) under IFDC and ECOWAS (2003- Present)
- Interim Coordinator of CORAF – IRCT cotton network, 1994
- Member of French Cotton Research Society (1990–Present)
- Secretary General for Western and Central Africa for the World Information and Early Warning System Network on PGR (WIEWS) under FAO (1997–Present)
- President of Biodiversity Network of Senegal (1991–1998)
- Senegalese Agronomy Society – ASIA (1984–Present)

8. **Other skills:**

- Writing and Editing scientific reports
- Development of exchange networks between Extension, NGOs and Farmers' Organizations
- Development of models based upon participatory approaches
- Project writing for smallholders farmers and Extension agencies (Project planning, monitoring and evaluation, Logical Framework development and analysis, Capacity-building, Workshops facilitation , Sustainable Livelihoods Analysis)
- Regional Coordinator of IFAD Project on Strengthening Rice Value Chains in West and Central Africa, 2013 - 2016 (DRC, Guinea, Sierra Leone, Senegal)
- Regional Coordinator of CFC on Improving rice competitiveness in Central Africa (Cameroon, Chad, CAR) and Regional Coordinator of the Emergency Rice Initiative Project in WCA (10 countries)
- Regional Coordinator of Japan Seed Emergency Project, 2009 – 2010 (20 countries of West, Central and Eastern Africa)

Computer Literacy in software packages: Word processing (Word, WP, Wordstar, MultiMate), Data analysis (STATITCF, MSTAT, STATENTO, ESVAR, QPRO), Data management (GENSTAT, ACCESS, EXCEL), Networking.

9. **Key qualifications:**

- **Senior Agronomist and Plant Breeder:** He has developed high productive and early maturing and drought tolerant cotton varieties endowed with high fiber quality. He has introduced several groundnut and cereal varieties in WCA countries.
- **Technology Transfer Agronomist:** Dr Beye has organized the release of 10 cotton varieties and 17 rice varieties including the first 7 Nerica rices. He has developed technology packages for those varieties. He uses participatory approaches mainly Facilitation to enable farmers' access to knowledge and new technologies. He has introduced the Quality Protein Maize (QPM) in Senegal in 2009 through the USAID / SAGIC Project.
- **Seed Specialist:** He has trained several Agronomists from 11 countries in seed technology for crops such as: Groundnut, Rice, Maize, Tuber and roots, and Seed Inspectors and Controllers.

- **Plant Genetic Resources Specialist:** He has organized several meetings on PGR in West and Central Africa. He is a resource person of FAO and Bioversity on PGR.
- **Cotton Fiber Technologist:** He gives huge importance to the quality of the cotton fiber. He worked on that with different textile industries notably in Côte d'Ivoire (Gonfreville), Benin, Burkina and Senegal, and with the Textile Testing Laboratory of Montpellier / IRCAT France.
- **Expert in Strategy Development and Rural Sociology:** He has elaborated several development models that are prone to the smart utilization of indigenous knowledge for smallholder family farming.

Dr Beye has developed 6 major innovations: (i) The Integrated Business Development Model which aims to put in synergies agribusiness and smallholder farming through the promotion of the milling facilities as connection points of the rice sector; (ii) The development of 6 cotton varieties; (iii) The development of the Community-Based Seed System and the use of Decentralized Quality Control with Authorized Technicians and Quality Control Farmers; (iv) The design of Cyber-seed networks which aim to link smallholder farming with the market; (v) The elaboration of technology packages for the diffusion of cotton and rice varieties including Nericas (Cultural practices, Plant protection techniques, Post-harvest practices, Diversification of the utilization of crop products and sub-products, etc) and (vi) The development of the concept of «Antennes multilocales expérimentales- AMEX » for a strong imbrication between Research, Extension and Farmers. In Senegal 20 AMEX are now operational in the Southern part of the country (SODEFITEX zone).

1) Cotton varieties

Dr Bèye has developed with his research team in Tambacounda (Senegal) 6 cotton varieties that are highly productive and early maturing (G 440, ISCO ID, Bulk J, G 438 + 444, J 691 and J 699). These varieties are endowed with high quality fiber which is long, elastic, and strong and has few neps. The varieties present a good alliance of two complexes of parameters that are negatively correlated: Length/Strength/Elasticity and Maturity/Thinness. In terms of coverage, the variety G 440 for example occupies more than 50% of cotton areas in Senegal for now 19 years. Its diffusion has also been initiated in Mali (2003) and in Chad (2005).

Dr Bèye has contributed in the enhancement of the ginning percentage of the Senegalese cotton. This parameter has shifted from 39 %, in 1985 to 43.2%, in 2000. Because of its good quality, the Senegalese cotton was awarded "16th International Award for the Best Trade Name" and "King of West African Cotton" respectively in 1991 and 1992.

2) Community-Based Seed System – CBSS

CBSS is been developed by Dr Beye in collaboration with Dr Monty Jones (actual FARA Executive Director, Laureate of the 2004 World Food Prize) and Dr Brent Simpson (Socio-Economist in the Michigan State University) with the objective to rebuild local seed systems. Farmers' criteria were incorporated into the release system in order to give scientific, technical and economical values to farmers' seeds and local traditional varieties. New concepts of « Acceptable Quality Seed » and « Controlled Seed » are been developed as valuable alternatives to certified seeds.

CBSS represents a valuable support tool for increased productivity and competitiveness and is therefore, used in Western, Central and Eastern African countries by almost NARES and International Research centers (AfricaRice, IITA, ICRISAT).

3) Cyber-Seed Networks

Cyber-seed networks were designed by Dr Beye with the aim to promote seed commercialization by providing useful information about seed stocks at the national levels (varieties, quantities, quality, categories, proposed prices, locations, etc), seed needs and the traceability. Major pillars of the system are: Quality Control Farmers and Authorized Technicians who are trained to monitor seed quality (germination rate, moisture content, physical purity, dangerous weeds and foreign matters) and to register this information for the central websites named Observatoires. These Farmers and Technicians work directly for their cooperatives and under distance supervision of National Seed Services. They play a key role to professionalize subsistence agriculture and to help it get linked to the market through Smartphones and Tabloids by using SMS, Internet, etc.

10. Specific experience in Africa

- Business Development Manager
- Opening quality processing centers in WCA
- Promoting secondary processing to produce by-products in WCA
- Technical and Financial Auditing of the national Seed Laboratory of Mali.
- Rebuilding seed quality control activities in Mali.
- Elaboration of Emergency projects for Côte d'Ivoire and Burkina Faso after the Food crisis in 2008.
- Assistance for the elaboration of NRDS (Benin, Burkina Faso, Cameroon, Côte d'Ivoire, Guinea, Mali, Madagascar, Senegal)
- Revival of seed production activities in Senegal for the major cereals (Rice, Maize, Millet, Sorghum) – SAGIC Project: Support for Accelerated Growth and Increased Competitiveness for Trade (USAID)
- Participatory adaptation and diffusion of rice-based technologies (Côte d'Ivoire, Gambia, Ghana, Guinea)
- Introduction of new technologies in swamp (mangrove) zones (Guinea-Bissau, Liberia, Nigeria, Senegal, Sierra Leone)
- Identification and introduction of new rice varieties in irrigated zones (Senegal, Côte d'Ivoire, Nigeria)
- Introduction of new machinery in rice production zones of WCA (Threshers, Milling machines, Tractors, etc)

- Characterization of cotton fibers. Assistance to improve ginning and weaving experiences of local industries.
- Assistance to Oil processing units using cotton, groundnut and other vegetable oils crops
- Control of potentials of ginning industries in neighbouring countries from the micro-ginning laboratory of Tambacounda
- Analysis of cropping systems (cotton x maize, groundnut, cereals, etc)
- Studies on the stakeholders' sociology in cotton x maize x groundnut cropping systems
- Support to the NGO Enda-Pronat for the production of organic cotton (seed, knowledge development, cultural practices, ginning, commercialization, ...)
- Risk management and Farmers' associations experiences (Cases of CNIA and UNIS, Senegalese Professional Unions)
- Support to the development of Farmers' associations and Professional unions. Monitoring of the evolution of farmers' unions in Benin (AIC), in Côte d'Ivoire (URECOS-CI), in Burkina Faso (UNPC-B), etc
- Utilization of agricultural products and sub-products (cotton, groundnut, maize)

11. Professional experience

Date From -to	Location	Institution	Position	Description
2017 – 2019	Côte d'Ivoire	AfricaRice	Senior Seed Expert	<ul style="list-style-type: none"> - Manage a PPP Project (AfricaRice – OCP Morocco – Private companies). - Accompany seed companies to become professionalized. - Produce and commercialize 2000 T of Registered seed. - Develop an Integrated Business Model
2017	Côte d'Ivoire	TCIA / FAO / FIDA	Value Chain Expert	PADFA Project (Côte d'Ivoire) <ul style="list-style-type: none"> - Propose appropriate innovation technologies to intensify rice production in irrigated areas. - Propose ways to improve existing processing units. - Develop value chain approach where processing units will take the lead of the system. - Improve access of farmers to micro financial institutions
2011 - 2014	Cameroon, CAR, Chad	CFC	Regional Project Coordinator	Improving the Competitiveness of Rice in Central Africa (CFC / FIGR 14) <ul style="list-style-type: none"> - Improve on-farm rice productivity and quality through the deployment of NERICAs and other improved production and post-harvest technologies - Develop pilot-scale quality rice processing and milling centres at community-level for the supply of quality rice to wholesale/retail markets - Improve the capacity of male and female farmers to participate in integrated production, processing and marketing operations - Strengthen the human and institutional capacity for promoting profitable rice production, processing and marketing
2012 - 2013	Mali	WAAPP / WB	Seed Expert / Head of mission	Reinforcement of the capacities of the National Seed Laboratory <ul style="list-style-type: none"> - Identify key constraints for the development of the rice seed sector - Give assistance for the decentralization of seed control activities in the 4 major production regions
2010 – 2011	Senegal	CMAOC / CTA	Agronomist / Head of mission	Elaboration of strategies to alleviate the constraints to the exchanges and the commercialization of biological materials in WCA <ul style="list-style-type: none"> - Organize an Electronic Forum - Organize an International Workshop on issues related to the exchanges and the commercialization of biological materials in WCA
2009 – 2011	Benin, Cameroon, Côte d'Ivoire, Guinea, Mali,	CARD / AGRA	Agronomist / Head of mission	Elaboration of National Rice Development Strategies <ul style="list-style-type: none"> Identify key constraints for the development of the rice sector Assist selected countries in the development of NRDS strategies

	Madagascar, Senegal			
2009 June – August	Senegal	Altair	Agronomist	Assessment of the needs to install pre-cleaners in the groundnut workshop stations
2008 – 2009	Senegal	International Resources Group / MSU	Agronomist	Development of a Seed project with the objective to improve the productivity of the principal crops of the Accelerated Growth Strategy (Senegal)
2008 Aug – Sept	France, Mali, Niger, Nigeria, Senegal	Triple Line / CFC	Seed Specialist	Impact evaluation of the CFC Funded Project Groundnuts Seed Systems in West Africa (Phases I and II) - Assess the development impact of the projects - Examine the elements of success and failure in the project design and implementation - Use specific indicators to measure progress towards goals The evaluation should also assess: (i) whether the design of the project was suitable to achieve the stated objectives; (ii) the extent to which the project objectives have been met and (iii) the lessons that can be drawn from the project and its implementation to serve as a guide for future projects financed by the Common Fund.
2008 May – July	Italy, Côte d'Ivoire, Burkina Faso, Italy	FAO – TCIW / IFAD / WFP	Agronomist / Head of mission	Initiative on Soaring Food Prices (CAADP / NEPAD initiative) - Identification and design of appropriate action plans in response to soaring food prices, - Analysis of economic agricultural and food policies to better understand the causes and effects of soaring prices - Establishment of an appropriate seed system
2008 Jan-	Italy, Burkina, Mali, Niger, Rwanda, Ghana, Nigeria	FAO – TCIW / IFAD / WFP	Agronomist / Head of mission	Elaboration of country profiles (2008 Alliance for a Green Revolution program in Africa) - Summary of crop intensification zones' opportunities - What are the partners doing so-far in the captioned zones - Interventions' priorities and entry points: What would trigger development in these zones? Describe constraints and opportunities, provide indications on priority investments needed such as infrastructure, inputs, training, farmers organization, value chain development, etc. <u>Follow-up:</u> What would be the engagement strategy for the partners? Given the specificities of the concerned countries (donor group, ongoing programmes, etc.), outline options/entry points for initiating a country level dialogue for developing joint interventions.
2007	Côte d'Ivoire	UNDP / FIRCA	Head of mission	Establishment of a New Information System named « Cyber-Seed Network » - Establishment of Cyber-seeds in 4 cooperatives and 1 National Observatoire in the Ministry of agriculture of Côte d'Ivoire. Adresse : www.ci.semence.org - Decentralization of quality control operations - Training of Quality Control Farmers - Elaboration of a Practical Guide for Quality Control Farmers
2008; 2006-2007	Liberia, Sierra Leone, Guinea and	WB / FAO – TCIW / WECARD	Agronomist / Head of mission	Preparation of the West Africa Agricultural Productivity Program (WAAPP) - Identify and, to the extent possible, visit potential centers of specialization located within the National Universities, research institutes and others institutions

Nov06- Jan07	Côte d'Ivoire (2008); Italy, Burkina, Ghana, Mali, Senegal (2006- 2007)			<ul style="list-style-type: none"> - Review mechanisms for disseminating technologies within and across the sub-region - Review systems of monitoring and evaluating impact of technology generation and dissemination efforts - Investigate the merits of the competitive grants program run by the WECARD/CORAF
2005-2006 Nov05- May06	Italy, Benin, Burkina, Mali, Chad, France, Italy	WAEMU/ ADB / FAO - TCIW	Research- Development and Cotton Processing Specialist	<p>Elaboration of a Multinational Program: Improvement of the cotton productivity and competitiveness</p> <p><u>Research - Development</u></p> <ul style="list-style-type: none"> - Evaluate research and technology diffusion capacities, the support from Extension in terms of advice and capacity-building in the value chain development - Identify research and cross-cutting training themes targeting the improvement of the productivity of the cotton sector - Identify national and international organizations that are well qualified to run research and training courses at the regional level - Fine tune strategies and modalities to group certain functions at the regional level - Develop appropriate strategies to involve farmers in varietal selection - Improve the certification system and involve specialized farmers' groups in seed production - Analyze objectively the need for the introduction of Genetically Modified Cottons (CGM) <p><u>Processing</u></p> <ul style="list-style-type: none"> - Evaluate industries' capacities of fiber treatment - Elaborate a curriculum design for a technical and organizational audit of ginning industries - Develop specific actions targeting the improvement of the cotton fiber, industrial practices, the management and training systems, the use of micro-gins and the supply of spear parts - Identify implementation modalities and funding mechanisms
2004 Feb-April	Guinea	Winrock / USAID	Agronomist	<p>Mid-term Evaluation of the Expanded Natural Resource Management Project</p> <ul style="list-style-type: none"> - What aspects of project design and implementation strategies should be (or should have been) revised? Relevant questions include: - Are the design and objectives of the project realistic? Do implementation strategies and approaches accurately and coherently reflect objectives, and do they do so in the most efficient (cost-effective) manner? - Have implementation strategies been accurately and efficiently translated into operations? - Provide guidance to USAID in developing its future strategy for Guinea
2004 June-Oct	Benin, Burkina, Côte d'Ivoire, The Gambia, Ghana, Mali, Niger, Nigeria, Togo, Senegal	ARD / USAID / WECARD	Agronomist	<p>Evaluation of the USAID-Funded Collaborative Agricultural Research Networks in West and Central Africa (Rice – WARD, Millet / Sorghum – ICRISAT, Maize – IITA) - WARP</p> <ul style="list-style-type: none"> - Assess the role, objectives and functions of the existing networks in the region - Review and evaluate the effectiveness and activities of the current networks

				<ul style="list-style-type: none"> - Review the existing institutional frameworks (how the networks are structured and operate), institutional linkages and collaborative arrangements (who does what in terms of leadership, coordination, research, execution, implementation, dissemination or support functions), and research and dissemination processes - Assess whether all the existing networks should be maintained, and whether the network(s) could or should be expanded (or changed) to new crops/cereals, themes, issues and problems - Specifically address whether network coordination should be consolidated, and provide guidance on the types, orientation and operation of future networks within a consolidated network coordination structure - Assess whether WARP should continue to fund the networks under the IEHA program - Provide guidance on options and alternatives for new sources of network funding
2002 Nov.	Mali, Niger, Nigeria, Senegal	CFC / FAO / IGG/OOF / ICRISAT	Head of mission	<p>Final Evaluation of the Groundnut Germplasm Project</p> <ul style="list-style-type: none"> - Evaluate the efficiency of the project in the following areas: - Improvement of the groundnuts' productivity and the sustainability of the production systems in West Africa through an efficient use of the world genetic diversity - Reinforcement of NARS Germplasm evaluation capacities - Reinforcement of capacities in seed multiplication and seed distribution of national research institutions - Reinforcement of farmers' organizations capacity-building
2002-2005	Abidjan	African Seed Network	Scientific and Technical Coordinator	<p>Coordination of seed policies and seed strategies in SSA</p> <ul style="list-style-type: none"> - Fund raising for seed programs - Development of appropriate seed strategies - Capacity building of Smallholder farmers, Extension agents and Researchers - Design of a model linking subsistence agriculture to the market through the Establishment of Rural Seed Enterprises and the Development of Cyber-Seed Networks - Design of training modules of on-farm field workshops. These workshops are implemented to help farmers improve the availability of quality seed at the communities' level and also to make a better use of traditional varieties and local indigenous knowledge.
2001 July	Rwanda	WB	Agronomist	<p>Development of appropriate strategies for rice production. Reinforcement of linkages between stakeholders</p> <ul style="list-style-type: none"> - Elaboration of a proposal for the development of rice production chain (Production, Processing, Commercialization) - Restructuring agronomic research - Development of a Rice Breeding program - Training of Facilitators (Scientists and Extensionists)
1999	Guinea	WB / SNPRV / IRAG / WARDA	Head of mission	<p>Development and Experimentation of a New Seed System destined to Subsistence agriculture</p> <ul style="list-style-type: none"> - Development of the Community-Based Seed System (CBSS) - Elaboration of training modules (Start-up workshops, On-Field workshops, Evaluation and Awareness workshops) - Training of CBSS Facilitators
1999	Liberia	IFAD / FAO	Agronomist	<p>Support to the AGRHA NGO rice and seed multiplication programme</p> <ul style="list-style-type: none"> - Elaboration of a rice seed production programme - Elaboration of a varietal experimentation and diffusion programme - Training of Trainers

1998 – 2002	Bouaké	WARDA	Breeder-Agronomist / TT Agronomist	<ul style="list-style-type: none"> - Development and adaptation of low cost technologies for rice-based systems - Release and diffusion of Nericas (New Rice for Africa) in Western, Central and Eastern Africa - Further development of the Community-Based Seed System (CBSS)
1998	Italy	FAO	PGR Specialist	Editing and Translation of the Global Plan of Action for the Conservation and Sustainable Utilization of PGRFA and the Leipzig Declaration
1998	Italy	FAO	PGR Specialist	Compilation of the draft proceedings of the Regional Meeting to promote the Implementation of the Global Plan of Action for Plant Genetic Resources
1996 – 1997	Benin, Kenya, Niger, Senegal	IPGRI / CORAF / ADB	PGR Specialist	Elaboration of a proposal for the Conservation and the Utilization of Plant Genetic Resources in Western and Central Africa. Strengthening national programs and sub-regional collaboration
1995	Sub-regions: West and Central Africa	IPGRI	PGR Specialist	Synthesis of reports on Plant Genetic Resources for West and Central Africa
1994 – 1995	Benin, Cameroon, Congo, Côte d'Ivoire, Gabon, Ghana, Guinea, Niger, Nigeria, Chad, CAR, Zaire, Kenya, Niger, Senegal	IPGRI / CORAF	Plant genetic resources Specialist	Assistance to national programs for the Elaboration of Country reports in Plant Genetic Resources for Food and Agriculture
1988 – 2000	Guinea, Bissau-Guinea, The Gambia, France	ISRA / CFDT – IRCT	Plant Breeder	Support to cotton research – development teams in West Africa <ul style="list-style-type: none"> - Supply of elite seed - Agronomy and cotton protection - Post-harvest activities - Promotion of high quality fiber
1991-1996	Tambacounda	Senegalese Agricultural Research Institute, ISRA	Director of the Cotton Research Center	Elaboration of an appropriate strategy for the development of the cotton sector and other crops <ul style="list-style-type: none"> - Advice to cotton companies in Senegal, Guinea, Guinea-Bissau, and Gambia on the evolutions of the cotton world market and the strategies to use to better face cotton subsidises in Europe and USA - Studies on social impact of cotton research on farmers' wellbeing (Case of Senegalese cotton farmers) - Intensification of cotton production systems: Soil fertility management; Crop-livestock interaction; Livestock improvement, Fodder crop production, Agro-forestry, Crop improvement (maize, rice, sorghum, millet, cotton), Weed control and Rural savings, Cropping budget. - Introduction of new varieties of Rice, Millet, Sorghum, Groundnut and Bambara groundnut in the cotton zones.
1984 – 2000	Tambacounda	Senegalese Agricultural	Program Leader of the	<ul style="list-style-type: none"> - Survey of subspontaneous cotton species in Senegal, Gambia, Guinea and Guinea Bissau. Identification of 4 types of cotton landraces in Senegal and Gambia. - Development of new Fertilizer formulations:

		Research Institute, ISRA	Cotton Program, ISRA	<ul style="list-style-type: none"> ▪ 1988: 200 kg of 6-14-35 + 50 kg Urea in replacement of 150 kg of 23-14-23 + 50 kg Urea ▪ 1993: 200 kg of 23-14-23 + 50 kg Urea in replacement of 150 kg of 15-15-15 - Cotton characterization, Breeding, Dissemination, Marketing and Processing - Development and implementation of integrated cotton crop management - Awareness raising of Farmers on the danger of bad chemical manipulations - Development of National seed strategies for cotton, maize, groundnut and rice - Identification of optimal doses of Manure in combination with non-organic fertilizers - Introduction of new technologies in Cotton areas in Senegal (Herbicide and Insecticide molecules, Leguminous plants, Forage plants, Cover crops, Protection methods against Erosion (Cultural practices, Cordons pierreux), Sprayers TBV (Très Bas Volume) and UBV (Ultra Bas Volume). - Development of high productive and early maturing cotton varieties endowed with high fiber quality (ISCO ID, ISCO PG, Bulk J, G 438 + 444, J 691, J 699). G 440 for example occupies 50% of cotton areas in Senegal for now 16 years. Its diffusion has been initiated recently in Mali and Chad
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12. Selected publications:

Books and brochures

- Bèye, A. M., 2017. Pour une révolution agricole et alimentaire en Afrique : Rêver est encore permis. 300 pp. ISBN : 978-2-343-18604-7. Editions L'Harmattan. Collection Agriculture familiale et Développement durable (ex AfBioSac)..
- Bèye, A. M. et A. Diallo, 2018. Agriculture familiale et certification sociale. 177pp. ISBN : 978-2-343-16146-4. Editions L'Harmattan. Collection AfBioSac - Agriculture familiale et Développement durable.
- Bèye, A. M. et Sika, G., 2016. Sélection des plantes et technologie semencière. 377 pp. ISBN : 978-2-343-07584-6. Editions L'Harmattan. Collection – AfBioSac.
- Bèye, A. M., 2008. CMA / OC Agricultural Policy Letter - N°5: Which strategies for the development of the seed sector in West Africa ? 22 pp.
- Bèye, A. M., 2008. Development of Cyber-seed 'nodes' in Côte d'Ivoire: A step ahead towards the professionalization of the agricultural job. ISSN 0850 1378
- Bèye, A. M., M. Jones and B. Simpson, 2005. How to facilitate the implementation of the Community-Based Seed System? UNDP-TCDC/WFP/MINAGRA / WARDA. 94 pp. ISBN 92 9113 254 4
- Bèye, A. M., M. Jones and B. Simpson, 2005. How to produce quality seed. UNDP-TCDC/WFP Japanese Cooperation / MINAGRA / WARDA. 43 p.
- Bèye, A. M., M. Jones and B. Simpson, 2005. *CBSS Facilitator's guide*. UNDP-TCDC/WFP Japanese Cooperation / MINAGRA / WARDA. 35 p.
- Bèye, A. M., 2003. *Biotechnological Applications and Biosafety: Initiating the debate in Africa!* 25 pp. CMAOC (West and Central African Conference of Ministers) / ASN (African Seed Network).
- Spread of NERICAS in Guinea: Towards Food Security. The History and Keys of Success.* 2001. WARDA, Bouaké, Côte d'Ivoire, Institut de recherche agronomique de Guinée, Service national de la promotion rurale et de la vulgarisation, Conakry, Guinée. 10 pp. ISBN 92 9113 210 1.
- Bèye, A. M., 2000. *Improved Farmer-Saved Seed—A new approach for the production of quality seed*. ANADER /WARDA/ ADB
- Bèye, A. M. and R. Guei, 2000. *Support to small-scale seed production for subsistence agriculture*. ANADER/ WARDA/ ADB
- Bèye, A. M. and A. Bâ, 1998. Training Manual on standards and techniques on seed production. ISRA / NRBAR—USAID. 93 p.

Book Chapters

- Bèye AM, Remington T, Wopereis MCS, Diagne A, 2013. Development of an integrated rice seed sector in sub-Saharan Africa: meeting the needs of farmers. In: Realizing Africa's rice promise, Wopereis MCS, Johnson D, Ahmadi N, Tollens E, Jalloh A (Eds). CAB International, Wallingford. pp. 177–186.
- "*Bintu and Her New Rice for Africa. Breaking the shackles of slash-and-burn farming in the world's poorest region.*" Winner of the Millennium CGIAR King Baudouin Award. 2001. WARDA Headquarters, Bouaké, Côte d'Ivoire p 19–23. ISBN 92 9113 207 1.
- "*Rice Interspecific Hybridization Project. Research Highlights 2000. Africa/Asia Joint Research on Interspecific Hybridization between the African and Asian rice species (O. glaberrima Steud. and O. sativa L.)*. WARDA Headquarters, Bouaké, Côte d'Ivoire (36 pp. ISBN 92 9113 224 1.
- "*Participatory varietal selection. The flame spreads into 2000. Proceedings of the Participatory Rice Improvement and Gender/User Analysis Workshop (PRIGA)*. WARDA Headquarters, Bouaké, CIV, 17–21 April 2000. pp. 21–26.
- "*Participatory varietal selection. The spark that lit a flame. Farmer – scientist symbiosis spreads new African rices.* 1999. p 13–14. WARDA Headquarters, Bouaké, Côte d'Ivoire.
- "*Des semences produites par les agriculteurs pour les agriculteurs.*" WARDA 1998 Annual Report. pp. 40–44.

Journal and articles

Bèye, A. M. and M., 2014. *Cultivating knowledge on Seed Systems*. Net Journal of Agricultural Science Vol. 2(1), pp. 11-29. ISSN: 2315-9766. Review paper.

Dorothy M. K., Beye A. M. and C. Nicolaus, 2014. *Identification of the best management options for the rice quality processing centers: Case of Cameroon*. Journal of Agricultural and Crop Research Vol. 2(2), pp. 22-31, February 2014
ISSN: 2315-9827. Research Paper

Bèye, A. M. 2002. *Paper on Ecology of cotton industries and sustainable production*. 48 p. ISRA

Sanders, J. H, Bèye, A. M., Seck, P. A., and A. Sidibé. 1999. *Social Impact of Cotton Research in farmers' wellbeing in Senegal*. Michigan State University / ISRA. 16 pp.

Bèye, A. M., 1996. *Release of the Senegalese cotton varieties ISCO ID and ISCO PG in replacement of Stam 42 and IRMA 772*. UNIVAL - ISRA.

Bèye, A. M., 1992. *Technical assessment of the cotton varieties Stam F and Stam 42. Replacement of IRMA 1243*. 4 p., UNIVAL - ISRA.

Bèye, A. M., 1992. *Summary of the papers presented at the 4th Conference of cotton genetics and technology*. Montpellier – France, 30 p. ISRA / CIRAD.

Bèye, A. M., 1992. *Impact assessment of 10 years of cotton research in Senegal*. 1985 - 1991, 36 p., DRCSP - ISRA.

Bèye, A. M., 1991. *Assessment of new methodologies of cotton multi-location experimentations in Senegal*. 48 p. ISRA.

Bèye, A. M., 1991. *Improvement of the cotton ginning methods in Senegal*. 23 p. - ISRA / IRCT - CIRAD / Montpellier.

Bèye, A. M. and P. Guibordeau, 1990. *Cotton breeding in Senegal*. *Revue Coton et Fibres Tropicales*. Vol. XLI, 6, fasc. 4, pp. 62–69.

Bèye, A. M. and P. Guibordeau, 1990. *New orientations in ginning cotton in Senegal*. 17 p., IRCT - CIRAD / Montpellier.

Bèye, A. M., M. Gueye and I. Diongue, 1989. *Revival of cotton production in irrigated perimeters of Richard-Toll (Senegal)*. 20 p. UNIVAL - ISRA.

Bèye, A. M., 1988. *Survey of Spontaneous cotton species in Senegal and Gambia. Identification of 4 different cotton types*. 18 p. UNIVAL - ISRA.

Bèye, A. M. and A. Faye, 1988. *Evaluation of plant genetic resources in ISRA*. 50 p. UNIVAL- ISRA.

Bèye, A. M., 1985. *Production by farmers of the new cotton variety IRMA 96+97. Recommendations of different input systems*. 48 p., D / AGRO - ISRA.

Bèye, A. M., 1984. *Influence of long-term inbreeding on the differentiation of cotton genotypes*. *Review Cotton Development*, 4: 11–13. USSR.

Bèye, A. M., 1983. *Differentiation of genotypes after 17 years of inbreeding*. *Tash. Agr. Inst. Review*, 107: 23–28.

Bèye, A. M. and M. I. Igrovna, 1981. *Influence of long-term inbreeding on the principal production characteristics of cotton varieties*. *Tash. Agr. Inst., Review*, 93: 45–52.

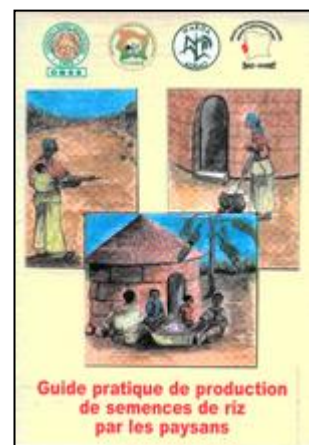
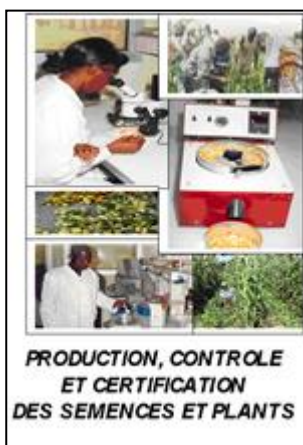
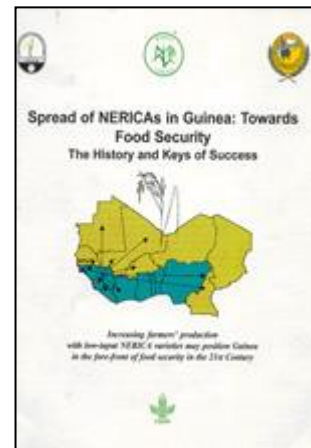
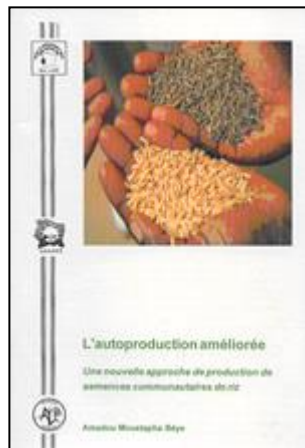
Articles submitted for publication

Bèye, A. M. and G. C. Kouassi. *Le compte d'exploitation : un outil efficace d'aide à la prise de décision en production rizicole*. 12 pp.

Bèye, A. M., S, J. Boua, Courbet P. et G. C. Kouassi. L'approche chaîne de valeur : un outil d'évaluation de la rentabilité des filières rizicoles Africaines (cas de la Côte d'Ivoire). 10 pp.

Beye, A. et H. Roy-Macauley. Modèle de Développement Intégré des Affaires Agricoles (Concept et stratégies de mise en œuvre). 15 pp.

SELECTED TRAINING MATERIALS



13. Scientific references

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