

DIAGA DIOUF

PhD

H-index: 30 based on Google Scholar

Professor of Plant molecular genetic

Laboratoire de Biotechnologies Végétales

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Full resume:

Google scholar:

<https://scholar.google.com/citations?user=PapNDRoAAAAJ&hl=fr&oi=ao>

Researchgate: https://www.researchgate.net/profile/Diaga_Diouf

RESEARCH INTERESTS

The goal of my researches is to understand the molecular mechanisms that control drought tolerance in crops using OMIC approaches, breeding methods, and bioinformatics tools. This will lead to the development of smart-climate crops to improve food security.

EDUCATION

1996: PhD, Physiology, Biology and Plant Molecular Biology, Paris VII-Denis Diderot, Paris, France

Dissertation: Genetic transformation of *Casuarinaceae*: a tool for molecular study of actinorhizal symbioses

1993: Master of Science, University of Cheikh Anta Diop, Dakar, Senegal

Dissertation: Development of a transgenic *Casuarina glauca* root nodulation system

1989: Bachelor of Science, University of Cheikh Anta Diop, Dakar, Senegal

PROFESSIONAL EXPERIENCE

2012-Present: Full Professor at Department of Plant Biology, UCAD, Dakar, Senegal

2007-2010: Adjunct Professor at Department of Biological Sciences, Virginia Polytechnic Institute and State University, Blacksburg, VA, USA

2006: Associate Professor at Department of Plant Biology, UCAD, Dakar, Senegal

2004: Visiting scientist (10 months) at Department of Biological Sciences, Virginia Polytechnic Institute and State University, Blacksburg, VA, USA

2003: Post-doctoral Trainee (3 Months) at Department of Agronomy and Range Science, University of California, Davis, USA

2002: Post-doctoral Trainee (1 Month) at Department of Biological Sciences, Virginia Polytechnic Institute and State University, Blacksburg, VA, USA

1997: Assistant Professor at Department of Plant Biology, UCAD, Dakar, Senegal

EXPERTISE

- **Courses taught:** Biosafety, Epigenetics, Introduction to Bioinformatic, Molecular Biology, Plant Breeding (Molecular Assisted Selection, Plant Mutation Breeding, Transgenesis), Plant functional genomics, Plant structural genomics

- **Reviewer** in more than 30 scientific journals those which belong to Frontier in Plant Science, MDPI, Elsevier, etc

Responsibilities

- Head of the doctoral program in plant and microbial biotechnologies and plant breeding (since 2022)
- Head of the Laboratory of Plant Biotechnologies
- Head of the National Laboratory of Biosafety
- Member of the University Cheikh Anta Diop **Faculty Promotion Committee** (since 2019)
- Member of the Faculty of Sciences et Techniques assembly (since 2000)
- Member of the Institut Sénégalais de Recherches Agricoles (ISRA) **Scientific and Technical Committee** (since September 19th, 2022)

EDITORIAL BOARD MEMBER

1. **BIOCELL** : https://www.techscience.com/biocell/info/editor_board
2. **Plant Molecular Biology Reporter** : <https://www.springer.com/journal/11105/editors>
3. **Basrah Journal of Agricultural Sciences**:
<https://bjas.bajas.edu.iq/index.php/bjas/about/editorialTeam>
4. **Review Editor in Plant Science**: <https://loop.frontiersin.org/people/206959/overview>

GRANTS

- 2004-2006**: Institut de Recherche pour le Développement (IRD), France. € 40,000
2002-2004: Fond national de la recherche alimentaire et Agro-alimentaire (Sénégal): US\$ 79,209
2001-2003: International Atomic Energy Agency. **SEN5026**: US\$ 168,695
2016-2022: International Atomic Energy Agency. **RAF5076 and RAF5083**, 175 000 Euro
2024-2027: International Atomic Energy Agency. **RAF5092**, 175 000 Euro

SUPERVISED STUDENTS

- 42 students who defended their Master
- 13 students who defended their PhD

PUBLICATIONS

66. Sock M., **Diouf D.**, Amoah N.K.A., Lee B.S., Manneh B. and Bimpong I.K. (2024). Identification of quantitative trait loci for salinity tolerance in rice (*Oryza sativa* L.) through Sahel 328/NERICA-L-9 mapping population at seedling stage. **Genet Resour Crop Evol.** <https://doi.org/10.1007/s10722-024-02108-x>
65. Diallo S. Badiane F.A., Diédhiou I., Diouf M. Ngom M. and **Diouf D.** (2024). Development of Cowpea (*Vigna unguiculata*) Mutant Lines for Dissecting Resilience to Drought Through Physiological and Molecular Crosstalk Analysis. **Plant Mol Biol Rep.** <https://doi.org/10.1007/s11105-024-01473-2>
64. Dembele J. S. B., Gano B., Mbaye M., Doumbia M., Dembele L. L., Kouressy M., Teme N., Vaksma, M., **Diouf D.**, and Audebert A. (2024). Unmanned aerial vehicle imagery prediction of sorghum leaf area index under water stress, seeding density, and

- nitrogen fertilization conditions in the Sahel. *Agronomy Journal*, 1–12. : <http://doi.org/10.1002/agj2.21547>
63. Diouf M., Zoclanclounon Y. A. B., Mboup P. A., **Diouf D.**, Malédon E., Rivallan R., Chair H., and Dossa K. (2024). Genome-wide development of intra- and inter-specific transferable SSR markers and construction of a dynamic web resource for yam molecular breeding: Y2MD. *The Plant Genome*, e20428. <https://doi.org/10.1002/tpg2.20428>
 62. Dramé D., Bodian A., Fonceka D., Tossim H.-A., Diangar M.M., Nguiepjop J.R., Sambakhe D., Sidybe M., **Diouf D.** (2023). Agro-Morphological Variability of Wild Vigna Species Collected in Senegal. *Agronomy*. 13 : 2761. <https://doi.org/10.3390/agronomy13112761>
 61. Quenum A.J.C., Pasquet R.S., Bodian A., Fonceka D., Djiboune R.Y., Cissé N., Mbaye M.S. and **Diouf D.** (2023). Molecular characterization of cowpea [*Vigna unguiculata* (L.) Walp.] subspecies with SSR markers. *Genet Resour Crop Evol.* <https://doi.org/10.1007/s10722-023-01738-x>
 60. Sharaf A., Ndiribe C.C., Omotoriogun T. C., Abueg L., Badaoui B., Markey-Badiane F. J., Beedessee G., **Diouf D.**, et al., (2023). Bridging the gap in African biodiversity genomics and bioinformatics. *Nature Biotechnology*. 41: 1348–1354. <https://doi.org/10.1038/s41587-023-01933-2>
 59. Beye A., Billot C., Ronfort J., McNally K. L., **Diouf D.** and Glaszmann J.C. (2023). Traces of Introgression from cAus into Tropical Japonica Observed in African Upland Rice Varieties. *Rice* 16 : 12. <https://doi.org/10.1186/s12284-023-00625-4>
 58. Ndiaye A., Diallo A.O., Fall N.C., Diouf R.D., **Diouf D.** and Kane N.A. (2022). Transcriptomic analysis of methyl jasmonate treatment reveals gene networks involved in drought tolerance in pearl millet. *Scientific Reports* 12 : 5158. <https://doi.org/10.1038/s41598-022-09152-6>.
 57. Sarr A., Bodian A., Gueye M.C. *et al.* (2022). Ethnobotanical study of cowpea (*Vigna unguiculata* (L.) Walp.) in Senegal. *J. Ethnobiology Ethnomedicine* 18: 6. <https://doi.org/10.1186/s13002-022-00506-y>
 56. Dembele J. S. B., Gano B., Kouressy M., Dembele L. L., Doumbia M., Ganyo K. K., Sanogo S. Ba, Togola A., Traore K., Vaksman M., Teme N., **Diouf D.** and Audebert A. (2021). Plant density and nitrogen fertilization optimization on sorghum grain yield in Mali. *Agronomy Journal*. 1-16. <https://doi.org/10.1002/agj2.20850>
 55. Berhe M., Dossa K., You J., Mboup P. A., Diallo I. N., **Diouf D.**, Zhang X. and Wang L. (2021). Genome-wide association study and its applications in the non-model crop *Sesamum indicum*. *BMC Plant Biol.* 21: 283. doi.org/10.1186/s12870-021-03046-x
 54. Gano B., Dembele J.S.B., Ndour A., Luquet D., Beurier G., **Diouf D.** and Audebert A. (2021). Using UAV Borne, Multi-Spectral Imaging for the Field Phenotyping of Shoot Biomass, Leaf Area Index and Height of West African Sorghum Varieties under Two Contrasted Water Conditions. *Agronomy*. 11 (5): 850. doi.org/10.3390/agronomy11050850.
 53. Gano B., Dembele J.S.B., Tovignan T.K., Sine B., Vadez V., **Diouf D.** and Audebert A. (2021). Adaptation Responses to Early Drought Stress of West Africa Sorghum Varieties. *Agronomy*. 11 : 443. doi.org/10.3390/agronomy11030443.
 52. Diouf M., Diallo S., Badiane A. F., Diack O. and **Diouf D.** (2021). Development of new cowpea (*Vigna unguiculata*) mutant genotypes, analysis of their agro-

- morphological variation, genetic diversity and population structure. **BIOCELL**. **45**(2): 345-362. doi: 10.32604/biocell.2021.013706.
51. Diack O., Kanfany G., Gueye M.C., Sy O., Fofana A., Tall H., Serba D.D., Zekraoui L., Berthouly-Salazar C., Vigouroux Y., **Diouf D.** and Kane N.A. (2020). GWAS unveils features between early- and late-flowering pearl millets. **BMC Genomics**. 21: 777 <https://doi.org/10.1186/s12864-020-07198-2>
 50. Dossa K., Mmadi M. A., Zhou R., Liu A., Yang Y., Diouf D. You J. and Zhang X. (2020). Ectopic expression of the sesame MYB transcription factor *SiMYB75* promotes root growth and modulates ABA-mediated tolerance to drought and salt stresses in *Arabidopsis*. **AoB PLANTS** **12** (1): 1-14. doi: 10.1093/aobpla/plz081
 49. Dossa K., Li D., Zhou R., Yu J., Wang L., Zhang Y., You J., Liu A., Mmadi M.A., Fonceka D., **Diouf D.**, Cisse N., Wei X. and Zhang X. (2019). The genetic basis of drought tolerance in the high oil crop *Sesamum indicum*. **Plant Biotechnol. Journ.** 17: 1788-1803. <https://doi.org/10.1111/pbi.13100>
 48. Dossa K., Mmadi M.A., Zhou R., Zhou Q., Yang M., Cisse N., **Diouf D.**, Wang L., Zhang X. (2018). The contrasting response to drought and waterlogging is underpinned by divergent DNA methylation programs associated with transcript accumulation in sesame. **Plant Science**. **277**: 207–217. <https://doi.org/10.1016/j.plantsci.2018.09.012>
 47. Dossa K., Li D., Wang L., Zheng X., Liu A., Yu J., Wei X., Zhou R., Fonceka D., **Diouf D.**, Liao B., Cissé N. and Zhang X. (2017). Transcriptomic, biochemical and physio-anatomical investigations shed more light on responses to drought stress in two contrasting sesame genotypes. **Scientific Reports**. 7:1-14. doi:10.1038/s41598-017-09397-6
 46. Dossa K., **Diouf D.**, Wang L., Wei X., Zhang Y., Niang M., Fonceka D., Yu J., Mmadi M.A., Yehouessi L.W., Liao B., Zhang X. and Cisse N. (2017). The Emerging Oilseed Crop *Sesamum indicum* Enters the “Omics” Era. **Front. Plant Sci.** 8:1154. doi: 10.3389/fpls.2017.01154.
 45. Diack O., Kane N.A., Berthouly-Salazar C., Gueye M.C., Diop B.M., Fofana A., Sy O., Tall H., Zekraoui L., Piquet M., Couderc M., Vigouroux Y., **Diouf D.** and Barnaud A. (2017). New Genetic Insights into Pearl Millet Diversity As Revealed by Characterization of Early and Late-Flowering Landraces from Senegal. **Front. Plant Sci.** 8:818. doi: 10.3389/fpls.2017.00818.
 44. Dossa K., Li, D., Wang, L., Zheng X., Yu, J. Wei X., Fonceka D., **Diouf D.**, Boshou, L. Cisse, N. and Zhang X. (2017). Dynamic transcriptome landscape of sesame (*Sesamum indicum* L.) under progressive drought and after rewatering. **Genomics Data**. **11**: 122-124. doi:10.1016/j.gdata.2017.01.003.
 43. Ndour D., **Diouf D.**, Bimpong I. K., Sow A., Kanfany G. and Manneh B. (2016). Agro-Morphological Evaluation of Rice (*Oryza sativa* L.) for Seasonal Adaptation in the Sahelian Environment. **Agronomy**. **6**, **8**, doi:10.3390/agronomy6010008.
 42. Dossa K., **Diouf D.** and Cissé N. (2016). Genome-Wide Investigation of Hsf Genes in Sesame Reveals Their Segmental Duplication Expansion and Their Active Role in Drought Stress Response. **Front. Plant Sci.** 7:1522. doi: 10.3389/fpls.2016.01522.
 41. Dossa K., Wei X., Li D, Fonceka D., Zhang Y., Wang L., Yu J., Boshou L., **Diouf D.**, Cissé N., Zhang X. (2016). Insight into the AP2/ERF transcription factor superfamily in sesame and expression profiling of DREB subfamily under drought stress. **BMC Plant Biol.** Jul 30;16(1):171. doi: 10.1186/s12870-016-0859-4.

40. Dossa K., Wei X., Zhang Y., Fonceka D., Yang W., **Diouf D.**, Liao B., Cissé N., Zhang X. (2016). Analysis of Genetic Diversity and Population Structure of Sesame Accessions from Africa and Asia as Major Centers of Its Cultivation. **Genes**. **7(4)**: 14. doi:[10.3390/genes7040014](https://doi.org/10.3390/genes7040014).
39. Dossa K., Yehouessi L.W., Likeng-Li-Ngue B.C., **Diouf D.**, Liao B., Zhang X., Cissé N. and Bell J. M. (2017). Comprehensive Screening of Some West and Central African Sesame Genotypes for Drought Resistance Probing by Agromorphological, Physiological, Biochemical and Seed Quality Traits. **Agronomy**. **7**: 83. doi:10.3390/agronomy7040083
38. Diédhiou I., Tromas A., Cissoko M., Gray K., Parizot B., Crabos A., Alloisio N., Fournier P., Carro L., Svistoonoff S., Gherbi H., Hocher V., **Diouf D.**, Laplaze L., Champion A. (2014). Identification of potential transcriptional regulators of actinorhizal symbioses in *C. glauca*. **BMC Plant Biology**. **14**: 342 doi:10.1186/s12870-014-0342-zs.
37. Soltis D. E., Smith S. A., Cellinese N., Wurdack K. J., Tank D. C., Brockington S. F., Refulio-Rodriguez N. F., Walker J. B., Moore M. J., Carlswald B. S., Bell C. D., Latvis M., Crawley S., Black C., **Diouf D.**, Xi Z., Rushworth C. A., Gitzendanner M. A., Sytsma K. J., Qiu Y.-L., Hilu K. W., Davis C. C., Sanderson M. J., Beaman R. S., Olmstead R. G., Judd W. S., Donoghue M. J., and Soltis P. S. (2011). Angiosperm phylogeny: 17 genes, 640 taxa. **American Journal of Botany**. **98(4)**: 704-730.
36. Hilu K. W., Black C., **Diouf D.** and Burleigh G. (2008). Phylogenetic signal in *Matk* vs *trnk*: A phylogenetics study in early diverging eudicots (Angiosperms). **Molecular Phylogenetics and Evolution**. **48**: 1120-1130.
35. **Diouf D.** and Hilu K.W (2005). Microsatellites and RAPD markers to study genetic relationship among cowpea breeding lines and local varieties in Senegal. **Genetic Resources and Crop Evolution**. **52**: 1057-1067.
34. Franche C., **Diouf D.**, Laplaze L., Florence A., Frutz T., Rio M., Duhoux E. and Bogusz E. (1998). Soybean (*lbc3*), *Parasponia*, and *Trema* haemoglobin gene promoters retain symbiotic and nonsymbiotic specificity in transgenic *Casuarinaceae*: implications for haemoglobin gene evolution and root nodule symbioses. **Molecular Plant-Microbe Interactions**. **11**: 887-894. (Cover article)
33. Franche C., **Diouf D.**, Le Q. V., Bogusz D., N'diaye A., Gherbi H., Gobé C. and Duhoux E. (1997). Genetic transformation of an actinorhizal tree, *Allocauarina verticillata*, by *Agrobacterium tumefaciens*. **The Plant Journal**. **11**: 897-904.
32. **Diouf D.**, Gherbi H., Prin Y., Franche C., Duhoux E. and Bogusz D. (1995). Hairy root nodulation of *Casuarina glauca*: a system for the study of symbiotic gene expression in an actinorhizal tree. **Molecular Plant-Microbe Interactions**. **8**: 532-537. <https://doi.org/10.1094/mpmi-8-0532>

OTHER PEER REVIEWED ARTICLES

31. Dembélé J.S.B., Gano B., Vaksmann M., Kouressy M., Dembélé L. L., Dombia M., Témé N., **Diouf D.** and Audebert A. (2020). Response of eight sorghum varieties to plant density and nitrogen fertilization in the Sudano-Sahelian zone in Mali. **Afri. Journ. Agric. Res.** **16(10)**: 1401-1410. DOI: 10.5897/AJAR2020.15025

30. Sarr A, Bodian A, Gbedevi K.M., Ndoeye Ndir K., Ajewole O.O., Gueye B., Foncéka D, Diop E.A.M.C., Diop B.M., Cissé N. and **Diouf D.** (2020). Genetic Diversity and Population Structure Analyses of Wild Relatives and Cultivated Cowpea (*Vigna unguiculata* (L.) Walp.) from Senegal Using Simple Sequence Repeat Markers. **Plant Mol. Biol. Rep.** **38(3)**: 1-13. <https://doi.org/10.1007/s11105-020-01232-z>
29. Ba A., Gemenet C.D., Onguso J., **Diouf D.**, Mendes T., Reuben T. Sali RT., Mwangi ROM and Kitavi M. (2020). Heterosis and combining ability for storage root, flesh color, virus disease resistance and vine weight in Sweetpotato [*Ipomoea batatas* (L.) Lam.]. **Afri. Journ. of Agricul. Res.** **15(2)**: 187-202, DOI: 10.5897/AJAR2019.14498.
28. Ngom B., Mamati E., Goudiaby M. F., Kimatu J., Sarr I., **Diouf D.** and Kane N. A. (2018). Methylation analysis revealed salicylic acid affects pearl millet defense through external cytosine DNA demethylation. **Journ. of Plant Interact.** **13(1)**: 288-293. DOI: 10.1080/17429145.2018.1473515
27. Diédhiou I. and **Diouf D.** (2018). Transcription factors network in root endosymbiosis establishment and development. **World journal of Microbiology and Biotechnology.** 34:37. DOI: 10.1007/s11274-018-2418-7.
26. Dossa K., Wei X., Niang M., Liu P., Zhang Y., Wang L., Liao B., Cissé N., Zhang X. and **Diouf Diouf.** (2017). Near-infrared reflectance spectroscopy reveals wide variation in major components of sesame seeds from Africa and Asia. **The Crop Journal.** **6**: 202 - 206.
25. Dossa K., Niang M., Assogbadjo A. E., Cissé N. and **Diouf D.** (2016). Whole genome homology-based identification of candidate genes for drought tolerance in sesame (*Sesamum indicum* L.). **Afri. Journ. of Biotech.** **15(27)**: 1464-1475. DOI: 10.5897/AJB2016.15420.
24. Djekota C., **Diouf D.**, Sané S., Mbaye M.S. and Noba K. (2014). Morphological characterization of shea tree (*Vitellaria paradoxa* subsp. *paradoxa*) populations in the region of Mandoul in Chad. **Internat. Journ. of Biodiv. and Conservat.** 6(2): 184-193.
23. Thiam M., Champion A., **Diouf D.**, Sy M.O. (2013). Effect of NaCl salinity on *in vitro* germination and seedling stage development of Senegalese cultivated cowpea varieties. **ISRN Biotechnology.** 1-11. <http://dx.doi.org/10.5402/2013/382417>.
22. Badiane F. A., Bhavani S. G., Cissé N., **Diouf D.**, Sadio O. and Timko M. P. (2012). Genetic relationship of cowpea *Vigna unguiculata* varieties from Senegal based on SSR markers. **Genet. and Molec. Res.** **11 (1)**: 292-304.
21. Ndoeye A.L., Sadio O. and **Diouf D.** (2011). Genetic variation of *Casuarina equisetifolia* subsp. *equisetifolia* and *C. equisetifolia* subsp. *incana* populations on the northern coast of Senegal. **Genet. and Molec. Res.** **10 (1)**: 36-46.
20. **Diouf D.** (2011). Recent advances in cowpea [*Vigna unguiculata* (L.) Walp.] “omics” research for genetic improvement. **Afri. Journ. of Biotech.** **10(15)**: 2803-2810.
19. Sané D., Ould Kneyta M., **Diouf D.**, Diouf D., Badiane F. A., Sagna M. and Borgel A. (2005). Growth and development of Date palm (*Phoenix dactylifera* L.) seedlings under drought and salinity stresses. **Afri. Journ. of Biotech.** **4**: 968-972. (Cover article)
18. Badiane F.A., **Diouf D.**, Sané D., Diouf O., Goudiaby V. and Diallo N. (2004). Screening cowpea [*Vigna unguiculata* (L.) Walp.] varieties by inducing water deficit and RAPD analyses. **Afri. Journ. of Biotech.** **3**: 174-178.

17. Ndiaye M.A.F., **Diouf D.**, Ndiaye M., Spencer M.M., Gueye M. (2004). DNA and di-nitrogen fixation polymorphism among cowpea [*Vigna unguiculata* (L.) Walp.] varieties grown in field conditions. **Journ. des Scie.** 4: 27-30.
16. **Diouf D.** (2003). Genetic transformation of forest trees. **Afri. Journ. of Biotech** 2: 328-333. (Cover article)
15. Fall L., **Diouf D.**, Fall-Ndiaye M.A., Badiane F.A. and Gueye M. (2003). Genetic diversity in cowpea [*Vigna unguiculata* (L.) Walp.] varieties determined by ARA and RAPD techniques. **Afri. Journ. of Biotech.** 2: 48-50.
14. **Diouf D.**, Diop T.A. and Ndoye I. (2003). Actinorhizal, mycorrhizal and rhizobial symbioses: how much do we know? **Afri. Journ. of Biotech.** 2: 1–7.
13. Ndour D., **Diouf D.**, Sié M., Miézan K., Spencer M.M. (2001). DNA amplification fingerprinting (DAF) of irrigated rice varieties in the Senegal River Valley. **Cahiers/Agricultures.** 10: 339-341.
12. Spencer M.M., Ndiaye M.A., Gueye M. **Diouf D.**, Ndiaye M. and Gresshoff P.M. (2000). DNA-based relatedness of cowpea [*Vigna unguiculata* (L.) Walp.] genotypes using DNA Amplification Fingerprinting. **Physiol. Mol. Biol. Plants.** 6: 81-88.
11. Duhoux E., **Diouf D.**, Gherbi H., Franche C., Ahée J. et Bogusz D. (1996). Le nodule actinorhizien. **Acta Botanica Gallica.** 146: 593-608.
10. Bogusz D., Franche C., Gherbi H., **Diouf D.**, Nassar A., Gobé C., Auguy F., Ahée J. et Duhoux E. (1996). La symbiose *Casuarina-Frankia*: approche moléculaire du rôle de la plante hôte. **Acta Botanica Gallica.** 143: 621-633.

BOOK CHAPTERS

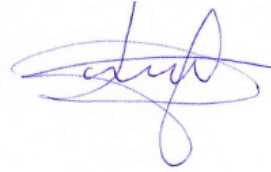
9. Bodian A., Guèye B., Diangar M. M., Krasova Wade T., Dramé D., Cissé N. and **Diouf D.** (2022). Management of Cowpea [*Vigna unguiculata* L. (Walp.)] Germplasm Diversity in Senegal: A Crucial Asset for Breeding Programs. In “Crop Adaptation and Improvement for Drought-Prone Environments”. Kane N. A. et al. (eds.). New Prairie Press, Kansas State University Libraries, Manhattan, Kansas.
8. Gano B., Dembele J., Sine B., **Diouf D.** and Audebert A. (2022). Agro-physiological Responses of 10 West Africa Sorghum Varieties to Early Water Deficit Assessed by UAV and Ground Phenotyping. In “Crop Adaptation and Improvement for Drought-Prone Environments”. Kane N. A. et al. (eds.). New Prairie Press, Kansas State University Libraries, Manhattan, Kansas.
7. Badiane F.A., Diouf M. and **Diouf D.** (2014). Cowpea. In “Broadening the Genetic Base of Grain Legumes”. M. Singh et al. (eds.). DOI 10.1007/978-81-322-2023-7_5, © Springer India. 95-114.
6. Tromas A., Diagne N., Diedhiou I., Prodjinoto H., Cissoko M., Crabos A., **Diouf D.**, Sy M. O., Champion A., and Laplaze L. (2013). Establishment of Actinorhizal symbioses. R. Aroca (ed.), In “Symbiotic Endophytes”, Soil Biology 37, DOI 10.1007/978-3-642-39317-4_5, © Springer-Verlag Berlin Heidelberg. 89-101.
5. **Diouf D.**, Sy M.O., Gherbi H., Bogusz D. and Franche C. (2008). *Casuarinacea*. In ‘Compendium of Transgenic Crop Plants’: Transgenic Forest Tree Species (eds) C. Kole and T. C. Hall, Blackwell Publishing. Vol. 9: 279-291.
4. Sané D., Ould Kneyta M., **Diouf D.**, Diouf D., Badiane F. A., Guèye B., Sagna M. et Borgel A. (2006). Croissance et développement de jeunes plants de palmier dattier

(*Phoenix dactylifera* L.) soumis aux conditions de stress hydrique et salin. Xèmes Journées scientifiques du réseau « Biotechnologies végétales : amélioration des plantes et sécurité alimentaire » de l'Agence Universitaire de la Francophonie (eds) Douadi Khelifi. 8-11 Mai 2006, Constantine, Algérie.

3. Franche C., Bogusz D., Smouni A., **Diouf D.**, Gherbi, H. and Duhoux, E. (2000). Transformation genetic in *Casuarine glauca*. In Bajaj YPS, (ed.) Biotechnology in Agriculture and Forestry. **44**: 15-28.
2. Duhoux E., Bogusz D., **Diouf D.**, Gherbi H., Sougoufara B., Le Roux C. and Dommergues Y. (1996). *Casuarina* and *Allocasuarina*. In "Trees IV", (ed.) Bajaj, Y.P.S, Springer Verlag. **35**: 76-94.
1. Franche C., Bogusz D., **Diouf D.**, Gherbi H. and Duhoux E. (1995). Genetic transformation of trees in the family *Casuarinaceae*. Proceedings of the National seminar held at Tamil Nadu agricultural University Coimbatore, (eds.) C. T. Wheeler, R. Narayanan, K. T. Parthiban, A. Kesavan & C. SurendrA.

Je déclare que toutes les informations ci-dessus indiquées sont exactes.

Fait à Dakar, le 29 août 2024



Prof. Diaga Diouf