

## References cited

(WARDA staff and associate authors' names in bold)

- Adegbola PY, Aminou A, **Diagne** A and SA Adekambi. 2006. *Evaluation de l'impact économique des nouvelles variétés de riz NERICA au Bénin : Evidence avec les modèles basés sur l'approche contre factuel*. Paper presented at the first Africa Rice Congress, Dar es Salaam, Tanzania. 31 July–4 August, 2006.
- Adekambi SA, **Diagne** A and G Biaou. 2006. *Impact de l'adoption des variétés NERICAs sur la scolarisation des enfants au Bénin*. Miméo, Centre du riz pour l'Afrique (ADRAO), Cotonou, Bénin. 28 pp.
- Africa Rice Centre (WARDA) Annual Report 1999. Bouaké, Côte d'Ivoire.
- Africa Rice Centre (WARDA) Annual Report 2000. Bouaké, Côte d'Ivoire.
- Africa Rice Centre (WARDA) Annual Report 2005–2006. Cotonou, Benin.
- Africa Rice Centre (WARDA) 2006. Progress Report 2003–2005. Joint Interspecific Hybridization Project. WARDA, Cotonou, Benin 153pp.
- Agboh-Noameshie** A, **Kinkinginhoun** FMM and A. **Diagne**. 2007. Gendered impact of NERICA adoption on farmers' production and income in Central Benin. Paper presented at the 2nd African Association of Agricultural Economists Conference, Accra, Ghana, 20–22 August, 2007.
- Africa Rice Center (WARDA). 2007. Africa Rice Trends: Overview of recent developments in the Sub-Saharan Africa rice sector. Africa Rice Center Brief. Cotonou, Benin: WARDA. 8pp.
- Audebert** A, **Dingkuhn** M, **Jones** MP and DE **Johnson**. 1998. Physiological mechanisms for vegetative vigor of interspecific upland rices – Implications for weed competitiveness. *Japanese Journal of Crop Science* 67(2): 358–359.

- Balasubramanian V, Sié M, Hijmans RJ and K Otsuka. 2007. Increasing rice production in sub-Saharan Africa: challenges and opportunities. *Advances in Agronomy* 94: 55–133.
- Barry MB, Diagne A, Sogbossi MJ, Pham JL, Diawara S and N Ahmadi. 2006. Recent changes in varietal diversity of rice in Guinea (*in press*).
- Becker L and R Diallo. 1992. Characteristics and classification of rice agro- ecosystems in Côte d'Ivoire. Bouaké, Côte d'Ivoire: West Africa Rice Development Association (WARDA). 135 pp.
- Becker M and DE Johnson. 1998. Legumes as dry season fallow in upland rice-based systems of West Africa. *Biology and Fertility of Soils* 27 (4): 358–367.
- Beye AM, Nwanze KF and G Manners. 2000. Successful on-farm seed multiplication in Côte d'Ivoire and Guinea. *West Africa Seed and Planting Material* 5: 19–20.
- Chaudhary Ram C. and Dat Van Tran. 1999. Can Africa be the future Rice bowl for Asia? *In: Proceedings of the 4<sup>th</sup> Asian International Rice Conference*, Cebu, the Philippines. 29 pp.
- Dalton TJ and RG Guei. 2003. Productivity gains from rice genetic enhancement in West Africa countries and ecologies. *World Development* 31(2): 359–374.
- Diagne A. 2006a. The diffusion and adoption of NERICA rice varieties in Côte d'Ivoire. *The Developing Economies* Vol. 44 (2): 208–231.
- Diagne A. 2006b. Bred for Woman Rice Farmers? Impact of NERICA Adoption on Rice Yield in Côte d'Ivoire. *Mimeo*. Africa Rice Center (WARDA), Cotonou, Benin.
- Diagne A, Sogbossi MJ, Diawara S and A Camara. 2006a. *L'étendue du succès de la dissémination des variétés NERICA en Guinée : Estimation des superficies emblavées*. *Mimeo*. Cotonou, Bénin : Centre du riz pour l'Afrique (ADRAO).

- Diagne A, Kouame AK, Comoé DH and RG Guei.** 2006b. *Les contraintes à la diffusion et à l'adoption des variétés améliorées de riz en Côte d'Ivoire. Mimeo. Cotonou, Bénin : Centre du riz pour l'Afrique (ADRAO).*
- Diatta S, Sié M, Sahrawat KL and A Audebert.** 2005. Iron Toxicity in the lowlands, poster presented at the 31<sup>st</sup> Technical Working Group meeting, 26 February–4 March 2005, Woodlands, Texas, USA.
- Dingkuhn M, Jones M, Johnson D, Fofana B and A Sow.** 1997. *Oryza sativa* and *O. glaberrima* gene pools for high-yielding, weed-competitive rice plant types. In: Fukai S, Cooper M, Salisbury J (eds.). Breeding Strategies for rainfed lowland rice in drought-prone environments. ACIAR Proceedings No. 77. Australian Centre for International Agricultural Research, Canberra, Australia, 1997. pp. 144–155.
- Dingkuhn M, Jones MP, Johnson DE and A Sow.** 1998. Growth and yield potential of *Oryza sativa* and *O. glaberrima* upland rice cultivars and their interspecific progenies. *Field Crops Research* 57: 57–69.
- Fagade SO. 2000. Yield gaps and productivity decline in rice production in Nigeria. Paper presented at the Expert Consultation on yield gap and production decline in rice, 5–7 September, 2000. FAO, Rome, Italy. 15 pp.
- Falusi AO. 1997. Agricultural development and food production in Nigeria: problems and prospects. In: B Shaid, NO Adedipe, M Aliyu and Jir M. (eds.) Integrated Agricultural Production in Nigeria: Strategies and Mechanism (NARP Monograph No. 5. pp. 151–170.
- Guei GR, Adam A and K Traore.** 2002. Comparative studies of seed dormancy characteristics of *Oryza* species and their interspecific progenies. *Seed Science Technology* 30: 499–505.
- Guideroni E, Galinato E, Luistro J and G Vergara. 1992. Anther culture of tropical japonica x indica hybrids of rice (*Oryza sativa* L.). *Euphytica* 62: 219–224.

- Japan International Cooperation Agency (JICA). 2004. Proceedings, Promotion of Rice Production and Dissemination in Africa, AICAD, Nairobi, Kenya, February 2004. 388p.
- Johnson**, DE, Riches CR, **Diallo** R and MJ **Jones**. 1997. *Striga* on rice in West Africa; Crop host range and the potential of host resistance. *Crop Protection* 16: 153–157.
- Johnson** DE, M **Dingkuhn**, MP **Jones** and MC Mahamane. 1998. The influence of rice plant type on the effect of weed competition on *Oryza sativa* and *Oryza glaberrima*. *Weed Research* 38: 207–216.
- Jones** MP. 1998a. Basic breeding strategies for high yielding rice varieties at WARDA. Japanese J. Crop Science 67, extra issue 2.
- Jones** MP. 1998b. Food security and major technological challenges: the case of rice in sub-Saharan Africa. Japanese J. Crop Science. 67, extra issue 2.
- Jones** MP, **Dingkuhn** M, **Aluko** GK and M **Semon**. 1997a. Diversity and potential of *Oryza glaberrima* Steud. in upland rice breeding. *Breeding Science* 47, 395–398.
- Jones** MP, **Dingkuhn** M, **Johnson** DE and SO Fagade. 1997b. Interspecific hybridization: progress and prospect. Proceedings of the workshop Africa/Asia joint research, interspecific hybridization between the African and Asian rice species *Oryza sativa* L. × *O. glaberrima* Steud.). WARDA, M'Bé, Bouaké, Côte d'Ivoire. 16–18 December, 1996. Bouaké, Côte d'Ivoire: WARDA. 231 pp.
- Kijima Y, Sserunkuuma D and K Otsuka. 2006a. How revolutionary is the NERICA Revolution? Evidence from Uganda. *The Developing Economies* XLIV–2: 252–267.
- Kijima Y, Otsuka K and D Sserunkuuma. 2006b. Assessing the impact of a new technology on poverty reduction: The Case of NERICA in Uganda. Paper presented at the Mini-symposium “New Technology Development to reduce hunger in sub-Saharan Africa” organized for the 26th Conference of the International Association of Agricultural Economists. 12–18 August, 2006.

- Kouko WO, Makihara D, Choke J and P Wakhu. 2006. NERICA research and promotion in Kenya. Paper presented at the JICA Seminar on Sustainable Rice Farming in Africa. 6–8 December 2006. Accra, Ghana.
- Lançon F** and **O Erenstein**. 2002. Potential and prospects for rice production in West Africa. Paper presented at the Sub-Regional Workshop on Harmonization of Policies and Co-ordination of Programmes on Rice in the ECOWAS Sub-Region. Accra, Ghana. 25–28 February 2002.
- Manneh B**, Stam P, Struik PC, **Bruce-Oliver S** and FA van Eeuwijk. 2007. QTL-base analysis of genotype by environment interaction for grain yield of rice in stress and non stress environments. *Euphytica* 156: 213–226.
- Nacro HB, Benest D and L Abbadie. 1996. Distribution of microbial activities and organic matter according to particle size in a humid savanna soil (Lamto, Côte d'Ivoire). *Soil Biology and Biochemistry* 28 (12): 1687–1697.
- Nwilene FE**, Williams CT, Ukwungwu MN, Dakouo D, Nacro S, Hamadoun A, Kamara SI, **Okhidievbie O**, **Abamu FJ** and **A Adam**. 2002. Reactions of differential rice genotypes to African rice gall midge in West Africa. *International Journal of Pest Management* 48(3): 195–201.
- Oikeh SO**, **Nwilene F**, **Diatta S**, **Osiname O**, **Touré A** and **O Okhidievbie**. 2006a. Agrophysiological responses of upland NERICA rice to nitrogen and phosphorus fertilization in the forest agroecology of West Africa. Paper presented at the ASA-CSSA-SSSA 2006 International Meetings, Indianapolis, USA. 12–16 November 2006.
- Oikeh SO**, **Sahrawat KL**, **Somado EA**, **Touré A**, **Diatta S** and **L Narteh**. 2006b. Differential phosphorus responses of cover crops and their contribution in improving yields of rice grown in rotation on Ultisols in West Africa. Book of Abstracts for the Africa Rice Congress. 31 July–4 August 2006. Dar es Salaam Tanzania.

- Sanni L, Alenkhe B, Edosio R, Patino M and A Dixon. 2007. Technology transfer in developing countries: capitalizing on equipment development. *Journal of Food, Agriculture & Environment* 5(2): 88–91.
- Semagn K, Ndjiondjop MN and M Cissoko.** 2006. Microsatellites and agronomic traits for assessing genetic relationships among 18 New Rice for Africa (NERICA) varieties. *African Journal of Biotechnology* 5 (10): 800-810.
- Spencer D, Dorward A, Abalu G, Philip D and D Ogungbile. 2006. Evaluation of adoption of NERICA and other improved upland rice varieties following varietal promotion activities in Nigeria. A study for the Gatsby and Rockefeller Foundations, final report, 44 pp.
- Solh M. 2005. Rice is life in 2004 and beyond. *International Rice Commission Newsletter* Vol. 54: 1–10.
- Ukwungwu MN, Winslow MD and VT John. 1989. Severe outbreak of rice gall midge (GM) in the savannah zone, Nigeria. *International Rice Research Newsletter* Vol. 14 (4): 36–37.
- Watanabe H, Futakuchi K, Teslim I and BA Sobambo.** 2002a. Milling characteristics and grain quality traits of interspecific progenies of Asian rice (*Oryza sativa*) with African rice (*Oryza glaberrima*). *Japanese Journal of Tropical Agriculture* 46(1): 47–55.
- Watanabe H, Futakuchi K, Jones MP, Teslim I and BA Sobambo.** 2002b. Brabender Viscogram characteristics of interspecific progenies of *Oryza glaberrima* Steud. and *O. sativa* L. *Nippon Shokuhin Kagaku Kogaku Kaishi*. *Japanese Journal of Food Science and Technology* 49(3): 155–165.
- Williams CT, Ukwungwu MN, **Singh BN** and O **Okhidievbie.** 2001. Assessment of host plant resistance in *Oryza sativa* to the African rice gall midge, *Orseolia oryzivora* Harris and Gagne (Dipt., *Cecidomyiidae*), with a description of a new method for screening under artificial infestation. *Journal of Applied Entomology* 125: 341-349.

**Further reading**

- Albar L, Boissnard A, Hébrard E, Sorho F, Traore O, **Ndjiondjop MN**, Bangratz-Reyser M, Pinel A, **Séré Y**, Konate G, Fargette D and A Ghesquière. 2006. Resistance of rice against Rice yellow mottle virus: identification and breeding of a major gene and QTLs. 'Advances in sources, mechanisms and durability of resistance against plant viruses and vectors'. ResistVir Workshop. Alicante, Spain. 2 February 2006.
- Albar L, Lorieux M, Ahmadi N, Rimbault I, Pinel A, **Sy AA**, Fargette D and A Ghesquière. 1998. Genetic basis and mapping of the resistance to rice yellow mottle virus. I. QTLs identification and relationship between resistance and plant morphology. *Theoretical and Applied Genetics* 97: 1145–1154.
- Asch F**, **Dingkuhn M**, **Sow A** and **A Audebert**. 2005. Drought-induced changes in rooting patterns and assimilate partitioning between root and shoot in upland rice. *Field Crops Research* 93 (2-3): 223–236.
- Asch F**, **Dingkuhn M**, Wittstock C and K Doerffling. 1999. Sodium and potassium uptake of rice panicles as affected by salinity and season in relation to yield and yield components. *Plant and Soil* 207: 133–145.
- Asch F**, **Sow A** and **M Dingkuhn**. 1999. Reserve mobilization, dry matter partitioning and specific leaf area in seedlings of African rice cultivars differing in early vigor. *Field Crops Research* 62: 191–202.
- Boivin P, Favre F, Hammecker C, Maeght JL, Delarivière J, Poussin JC and MCS **Wopereis**. 2002. Processes driving soil solution chemistry in a flooded rice-cropped vertisol: analysis of long-time monitoring data. *Geoderma* 110: 87–107.
- Chen X, Temnykh S, Xu Y, Cho YG and SR McCouch. 1997. Development of a microsatellite framework map providing genome-wide coverage in rice (*Oryza sativa* L.). *Theoretical and Applied Genetics* 100: 563–567.

- Cho YG, Ishii T and SR McCouch. 2000. **Mapping and genome organization of microsatellite sequences in rice (*Oryza sativa* L.).** *Theoretical and Applied Genetics* 100: 697–712.
- Coburn JR, Svetlana T, Eddie P and SR McCouch. 2002. Design and application of microsatellite marker panels for semi-automated genotyping of rice (*Oryza sativa* L.). *Crop Science* 42: 2092–2099.
- Coyne DL, Sahrawat KL and RA Plowright.** 2004. The influence of mineral fertilizer application and plant nutrition on plant-parasitic nematodes in upland and lowland rice in Côte d'Ivoire and its implications in long term agricultural research trials. *Experimental Agriculture* 40: 245–256.
- Dalton TJ and RG Guei.** 2003. Productivity gains from rice genetic enhancements in West Africa: Countries and ecologies. *World Development* 31: 359–374.
- De Dorlodot S, Lutts S and P Bertin. 2005. Effects of ferrous iron toxicity on the growth and mineral composition of interspecific rice. *Journal of Plant Nutrition* 28: 1–20.
- Defoer T, Wopereis MCS, Jones MP, Lançon F and O Erenstein.** 2003 Challenges, innovation and change: towards rice-based food security in sub-Saharan Africa, pp. 219–234. *In: Proceedings of the 20th Session of the International Rice Commission.* Bangkok, Thailand. 23–26 July 2002. Rome, Italy: FAO.
- Defoer T, Wopereis MCS, Jones MP, Lançon F, Erenstein O and RG Guei.** 2004. Rice-based production systems for food security and poverty alleviation in sub-Saharan Africa. *International Rice Commission Newsletter* 53: 85–96.
- Dembélé Y, Kambiré Y and M Sié. 2005. *Gestion de l'eau et de l'azote en riziculture irriguée dans la Vallée du Kou (Burkina Faso).* *Cahiers Agriculture* 14(6).
- Diagne A.** 2006. Taking a new look at Empirical Models of Adoption: Average Treatment Effect estimation of Adoption rate and its Determinants. (In press, *Agricultural Economics* Vol. 37).



- Diagne A.** 2006. *Le NERICA, mythe et réalité. Grain de Sel Numero* 34–35.
- Diagne A and MJ Sogbossi.** 2006. *L'impact de l'introduction des NERICAs sur la demande actuelle et potentielle de semences de NERICA et autres variétés de riz en Guinée. Miméo. Cotonou, Bénin : Centre du riz pour l'Afrique (ADRAO).*
- Diagne A, Sogbossi MJ, Diawara S, Diallo AS and A Barry.** 2006. *Evaluation de la diffusion et de l'adoption des variétés de riz NERICA en Guinée. Miméo. Cotonou, Bénin : Centre du riz pour l'Afrique (ADRAO).*
- Dingkuhn M and F Asch.** 1999. Phenological responses of *Oryza sativa*, *O. glaberrima* and interspecific rice cultivars on a toposequence in West Africa. *Euphytica* 110: 109–126.
- Dingkuhn M.** 1996. Modelling concepts for the phenotypic plasticity of dry matter and nitrogen partitioning in rice. *Agricultural Systems* 52: 383–397.
- Dingkuhn M, Audebert A, Jones MP, Etienne K and A Sow.** 1999. Control of stomatal conductance and leaf rolling in *O. sativa* and *O. glaberrima* upland rice. *Field Crops Research* 61: 223–236.
- Dingkuhn M, Schnier HF, De Datta SK, Doerffling K and C Javellana.** 1991. Relationship between ripening phase productivity and crop duration, canopy photosynthesis and senescence in transplanted and direct seeded lowland rice. *Field Crops Research* 26, 327–345.
- Ebron LA, Fukuta Y, Imbe T, Kato H, Yanoria MJT, Tsunematsu H, Khush GS, Kobayashi N and M Yokoo .** 2005. Identification of blast resistance genes in elite indica-type varieties of rice (*Oryza sativa* L.). *Journal of Breeding and Genetics* 37(1).
- Erenstein E, Oswald A, Sumberg J, Levasseur V and H Kore.** 2006. What future for rice-vegetable production systems in West African lowlands? *Agricultural Systems* 88: 376–394.
- Erenstein O, Oswald A and M Moussa.** 2006. Determinants of lowland use close to urban markets along an agro-ecological gradient in West Africa. *Agriculture, Ecosystems and Environment* 117: 205–217.

- Erenstein O.** 2006. Intensification or extensification? Factors affecting technology use in peri-urban lowlands along an agro-ecological gradient in West Africa *Agricultural Systems* 90: 132–158.
- Fofana B and R Rauber. 2000. Weed suppression ability of upland rice under low-input conditions in West Africa. *Weed Research* 40, 271–280.
- Futakuchi K.** 2006. Current research activities and their outlook in Africa Rice Center (WARDA). *Agriculture and Horticulture* 81 (2): 245–253.
- Futakuchi K, Audebert A, Jones MP and M Dingkuhn.** 1998. Lowland adaptability of interspecific progenies from *Oryza sativa* and *O. glaberrima* crosses. 1. Screening for growth and yield performance of progenies in lowland conditions. *Japanese Journal of Crop Science* 67(2): 12–13.
- Futakuchi K, S Tobita, S Diatta and A Audebert.** 2003. WARDA's work on the New Rice for Africa (NERICA) – Interspecific *Oryza sativa* L. × *O. glaberrima* Steud. Progenies. *Japanese Journal of Crop Science* 72 (Extra issue 1): 324–325.
- Heuer S, Miezán KM, Sié M and S Gaye.** 2003. Increasing biodiversity of irrigated rice in Africa by interspecific crossing of *O. glaberrima* × *O. sativa*. *Euphytica* 132:31–40.
- Guei RG, Sanni KA, Abamu FJ and I Fawole.** 2005. Genetic diversity of rice (*Oryza sativa* L.) landraces from Côte d'Ivoire. *Agronomie Africaine* 5 (special issue): 17–28.
- Haefele SM and MCS Wopereis.** 2005. Spatial variability of indigenous supplies for N, P and K and its impact on fertilizer strategies for irrigated rice in West Africa. *Plant and Soil* 270(1/2): 57–72.
- Harsch E. 2004. *Un riz miracle africain: Des variétés de NERICA à haut rendement, contre la faim et la pauvreté rurale.* *Afrique Relance* 17(4): 10–22.

- Ikeda R.** 2006. Multiplication of NERICA seeds and support for African rice cultivation (in Japanese). *Sekai no Norin-Suisan* 2006 (1): 38–43.
- Jacquot M. 1987. Varietal improvement programme for pluvial rice in Francophone Africa. *In: IW Buddenhagen and GJ Persley (eds.). Rice in Africa.* London & New York: Academic Press).
- Johnson DE, Dingkuhn M, Jones MP and MC Mahamane.** 1998. The influence of rice plant type on the effect of weed competition on *O. sativa* and *O. glaberrima*. *Weed Research* 38, 207–216.
- Johnson DE, Jones MP, Dalton TJ and M Dingkuhn.** 1999 Rice plant types for areas of low-input management in West Africa. *In: Proceedings of the 19th Session of the International Rice Commission, 7–9 September 1998, Cairo, Egypt.* FAO, Rome, Italy. pp. 205–210.
- Jones MP.** 1999. Basic breeding strategies for high yielding rice varieties at WARDA. *Japanese Journal of Crop Science* 67 (extra issue 2): 133–136.
- Jones MP.** 1999. Food security and major technological challenges: The case of rice in Sub-Saharan Africa. *Japanese Journal of Crop Science* 67 (extra issue 2): 57–64.
- Jones MP, Johnson DE and T Kouper.** 1996. Selection for weed competitiveness in upland rice. *International Rice Research Notes* 21(1): 32–33.
- Kang DJ, Seo YJ, Futakuchi K, Vijarnsorn P and R Ishii.** 2006. Studies on the acid soil tolerance of NERICA. II. Aluminum tolerance mechanism in NERICA lines. *Japanese Journal of Crop Science* 75 (Extra issue 1): 212–213.
- Kang DJ, Seo YJ, Ohishi H, Futakuchi K, Vijarnsorn P and R Ishii.** 2006. Studies on the acid soil tolerance of NERICA. III. Grain yield of acid tolerant NERICAs under acid sulphate soil conditions. *Japanese Journal of Crop Science* 75 (Extra issue 1): 214–215.

- Kebbe M, Miézan K, Sedgo MR and S Guinko.** 2005. *Performances d'une gestion intégrée des nutriments pour la production de riz irrigué dans la plaine de Bagre au Burkina Faso.* Performance of integrated nutrient management in rice production in the Bagre plain in Burkina Faso. *Agronomie Africaine* 5 (special issue):29–42.
- Kebbe M, Ndour M and M Kouame.** 2005. Factor productivity and technical efficiency in African rice farming: case of irrigated rice in the Senegal River Valley. *Productivité des facteurs et efficacité technique d'élevage du riz Africain : le cas de la riziculture irriguée dans la vallée du fleuve Sénégal.* *Agronomie Africaine* 5 (special issue): 95–104.
- Kijima Y, Sserunkuuma D and K Otsuka.** 2006. How revolutionary is the NERICA Revolution? Evidence from Uganda. *The Developing Economies* 44 (2).
- Kormawa P, Shellemiah K and AA Touré.** 2005. Development and Future prospects for rice research and production in Africa. *Agronomie Africaine* 5 (special issue): 1–16.
- Lorieux M, Ndjondjop M-N and A Ghesquière.** 1999. A first interspecific *Oryza sativa* × *O. glaberrima* microsatellite-based genetic linkage map. *Theoretical and Applied Genetics* 100: 593–601.
- Sié M, Dogbe SY and M Coulibaly.** 2005 Selection of interspecific hybrids (*O. sativa* × *O. glaberrima*) or lowland NERICAs and intraspecifics adapted to rainfed lowland growing conditions. *International Rice Commission Newsletter* 54: 47–51.
- McCouch SR, Kochert G, Yu ZH, Wang ZY, Khush GS, Coffman WR and SD Tanksley.** 1988 Molecular mapping of rice chromosomes. *Theoretical Applied Genetics* 76: 815–829.
- Murray MG and WF Thompson.** 1980 Rapid isolation of high molecular weight plant DNA. *Nucleic Acids Research* 8: 4321–4325.

- Narteh, LT, Winslow M, Youm O and SO Keya.** 2006. Partner-driven agricultural research for development networks in West Africa: The case of ROCARIZ. *KM4D Journal* 2 (2) 84–90.
- Narteh, LT, Moussa M, Otoo E, Andah WEI and KO Asubonteng.** 2007. Evaluating inland valley agro-ecosystems in Ghana using a multi-scale characterization approach. *Ghana Journal of Agricultural Science*, Vol. 42.
- Semagn K, Ndjiondjop MN, Lorieux M, Cissoko M, Jones M and SR McCouch.** 2007. Molecular profiling of an interspecific rice population derived from a cross between WAB 56-104 (*Oryza sativa*) and CG 14 (*Oryza glaberrima*). *African Journal of Biotechnology* 6 (17): 2014-2022.
- Ndjiondjop MN, Semagn K, Cissoko M, Tsunematsu H and MP Jones.** 2006. Genetic relationships among rice varieties based on expressed sequence tags and microsatellite markers. *Asian Journal Plant Science* 5 (3): 429–437.
- Ndjiondjop MN, Albar L, Fargette D, Fauquet C and A Ghesquière.** 1999. The genetic basis of high resistance to rice yellow mottle virus (RYMV) in cultivars of the two cultivated rice species. *Plant Disease* 83: 22–24.
- Nguyen VN and A Ferrero. 2006. Meeting the challenges of global rice production. *Paddy, Water & Environment* 4: 1–9.
- Nwanze KF, Mohapatra S, Kormawa P, Keya S and S Bruce-Oliver.** 2006. Perspective. Rice Development in sub-Saharan Africa. *Journal of Science Food and Agriculture* 86: 675–677.
- Nwilene FE, Onasanya A, Okhidievbie O, Séré Y, Ndjiondjop MN and I Ingelbrecht.** 2006. Identification and differentiation of three Nigerian *Orseolia* species by RAPD markers. *Asian Journal of Plant Sciences* 5(1): 50–53.
- Nwilene FE, Togola MA, Youm O and A Hamadoun.** 2006. Farmer participatory learning on integrated crop management of lowland rice in Mali. *International Rice Research Notes* 31(1): 35–37.

- Ogunbayo SA**, Ojo DK, **Guei RG**, Oyelakin OO and **KA Sanni**. 2005. Phylogenetic diversity and relationships among 40 rice accessions using morphological and RAPDs techniques. *African Journal of Biotechnology* 4 (11): 1234–1244.
- Oka H. 1974. Analysis of genes controlling  $F_1$  sterility in rice by the use of isogenic lines. *Genetics* 77: 521–534.
- Olufowote JO, Xu Y, Chen X, Park WD, Beachell HM, Dilday RH, Goto M and SR McCouch. 1997. Comparative evaluation of within-cultivar variation of rice (*Oryza sativa* L.) using microsatellites and RFLP markers. *Genome* 40:370–378.
- Omoloye AA, Odebiye JA, Williams CT and **BT Singh**. 2002. Tolerance indicators and responses of rice cultivars to infestation by the African rice gall midge, *Orseolia oryzivora*. *Journal of Agricultural Science* 139: 335–340.
- Onasanya A**, **Séré Y**, **Nwilene FE**, **Abo ME** and **K Akator**. 2004. Reactions and Resistance Status of Differential Rice Genotypes to Rice Yellow Mottle Virus, Genus *Sobemovirus* in Côte d'Ivoire. *Asian Journal of Plant Sciences* 3 (6): 718–723.
- Onasanya A**, **Séré Y**, **Sié M**, **Akator K**, Coulibaly MM and A Hamadou. 2006. Existence of Two Pathotypes of Rice Yellow virus, Genus *Sobemovirus*, in Mali. *Plant Pathology Journal* 5 (3): 368–372.
- Pham JL and B Bougerol. 1989. Abnormal segregation patterns in crossed between *Oryza sativa* and *O. glaberrima*. *Rice Genetics Newsletter* 6: 80–82.
- Pham JL and B Bougerol. 1993. Abnormal segregations in crosses between two cultivated rice species. *Heredity* 70: 466–471.
- Plowright RA, **Coyne DL**, Nash P and **MP Jones**. 1999. Resistance of the rice nematodes *Heterodera sacchari*, *Meloidogyne graminicola* and *M. incognita* in *Oryza glaberrima* and *O. glaberrima* × *O. sativa* interspecific hybrids. *Nematology* 1 (7–8): 745–751.
- Poussin JC, Diallo Y, Legoupil JC and **A Sow**. 2005. Increase in rice productivity in the Senegal River valley due to improved collective management of irrigation schemes. *Agronomie* 25 (2): 225–236.

- Rodenburg J, Diagne A, Oikeh S, Futakuchi K, Kormawa PM, Semon M, Akintayo I, Cissé B, Sié M, Narteh LT, Nwilene FN, Diatta S, Séré Y, Ndjiondjop MN, Youm O and SO Keya.** 2006. Achievements and Impact of NERICA on Sustainable Rice Production in sub-Saharan Africa. *International Rice Commission Newsletter* 55: 45–58.
- Rodenburg J, Bastiaans L, Kropff MJ and A van Ast.** 2006. Effects of host plant genotype and seed bank density on *Striga* reproduction. *Weed Research* 46: 251–263.
- Sahrawat KL, Jones MP and S Diatta.** 1997. Direct and residual phosphorus effects on yield and phosphorus efficiency of upland rice in an Ultisol. *Nutrient Cycling in Agroecosystems* 48: 209–215.
- Sahrawat, KL, Jones MP and S Diatta.** 1997. Extractable phosphorus and rice yield in an Ultisol of the humid forest zone in West Africa. *Communications in Soil Science and Plant Analysis* 28: 711–716.
- Sahrawat KL, Jones MP and S Diatta.** 1998. Plant phosphorus and rice yield in an ultisol of the humid forest zone in West Africa. *Communications in Soil Science and Plant Analysis* 29(7/8): 997–1005.
- Sahrawat, KL, Jones MP and S Diatta.** 1999. Phosphorus, calcium, and magnesium fertilization effects on upland rice in an Ultisol. *Communications in Soil Science and Plant Analysis* 30(7/8): 1201–1208.
- Saito K, Linqvist B, Atlin GN, Phanthaboon K, Shiraiwa T and T Horie.** 2006. Response of traditional and improved upland rice cultivars to N and P fertilizer in northern Laos. *Field Crops Research* 96, 216–223.
- Saito K, Linqvist B, Keobualapha B, Phanthaboon K, Shiraiwa T and T Horie.** 2006. Cropping intensity and rainfall effects on upland rice yields in northern Laos. *Plant and Soil* 288 (1–2): 177–187.
- Saito K, Linqvist B, Keobualapha B, Phanthaboon K, Shiraiwa T and T Horie.** 2006. *Stylosanthes guianensis* as a short-term fallow crop for improving upland rice productivity in northern Laos. *Field Crops Research* 96: 438–447.

- Sakurai T. 2006. Intensification of Rainfed Lowland Rice Production in West Africa: Present Status and Potential Green Revolution. *The Developing Economies* 44 (2): 232–251.
- Sarla N and BP Mallikarjuna Swamy. 2005. *Oryza glaberrima*: A source for the improvement of *Oryza sativa*. *Current Science* 89(6): 955–963.
- Segda Z, Haefele SM, **Wopereis** MCS, Sedogo MP and S Guinko. 2005. Combining field and simulation studies to improve fertilizer recommendations for irrigated rice in Burkina Faso. *Agronomy Journal* 97(5): 1429–1437.
- Semon** M, Nielsen R, **Jones** MP and SR McCouch. 2005. The population structure of African cultivated rice *Oryza glaberrima* (Steud.): Evidence for elevated levels of linkage disequilibrium caused by admixture with *O. sativa* and ecological adaptation. *Genetics* 169 (3): 1639–1647.
- Séré** Y, **Onasanya** A, Verdier V, **Akator** K, Ouédraogo LS, Segda Z, Coulibaly MM, Sido AY and A Basso. 2005. Rice **Bacterial Leaf Blight** in West Africa: Preliminary Studies on Disease in farmers' fields and screening released varieties for resistance to the Bacteria. *Asian Journal of Plant Sciences* 4 (6): 577–579.
- Séré** Y, **Onasanya** A, **Afolabi** AS and EM **Abo**. 2005. Evaluation and potential of double immunodiffusion Gel Assay for serological characterization of rice yellow mottle virus isolates in West Africa. *African Journal of Biotechnology* 4(2): 197–205.
- Sharma G, Patil SK, Buresh RJ, Mishra VN, Das RO, **Haefele** SM and LK Shrivastava. 2005. Rice establishment method affects nitrogen use and crop production of rice-legume systems in drought-prone eastern India. *Field Crops Research* 92 (1):17–33.
- Sié** M, Dogbe SY and MM Coulibaly. 2005. Selection of interspecific hybrids (*O. sativa* × *O. glaberrima*) and intraspecifics adapted to lowland growing conditions. *International Rice Commission Newsletter* 54: 47–51.



- Sié M**, Ghesquière A and K **Miézan**. 1999. *Structure génétique des variétés traditionnelles de riz (Oryza spp.) du Burkina Faso*. *Agronomie Africaine* 11: 57–71.
- Somado EA**, **Sanchez IM**, **Sié M**, **Nwilene FE**, **Ogunbayo AS**, **Sanni KA** and **DD Tia**. 2006. Comparative studies of drying methods on the seed quality of interspecific NERICA rice varieties (*Oryza glaberrima* × *Oryza sativa*) and their parents. *African Journal of Biotechnology* 5 (18): 1618–1624.
- Sorho F, Pinel A, Traore O, Bersoult A, Ghesquière A, Hebrard E, Konate G, **Séré Y** and D Fargette. 2005. Durability of natural and transgenic resistances in rice to Rice yellow mottle virus. *European Journal of Plant Pathology* 112(4): 349–359.
- Sumberg J**. and D Reece. 2004. Agricultural research through a ‘new product development’ lens. *Experimental Agriculture* 40 (3): 295–314.
- Sumberg J**. 2005. Constraints to the adoption of agricultural innovations – is it time for a re-think? *Outlook on Agriculture* 34(1): 7–10.
- Sumberg J**. 2005. Systems of innovation theory and the changing architecture of agricultural research in Africa. *Food Policy* 30(1): 21–41.
- Sylla K, Sobia A, **Diagne A**, Droubly M, Ouattara Y, Diallo S, Koné M, Binaté N, and AA **Touré**. *Impact des Politiques d’Ajustement Structurel sur la Filière Rizicole en Côte d’Ivoire*. *Agronomie Africaine* 5 (Numéro spécial).
- Sylla K, Diallo SS, Monney RF and A **Diagne**. 2005. *Evaluation de l’efficacité technique des systèmes de production rizicoles en Côte d’Ivoire: une application du DEA multiproduit*. *Agronomie Africaine* 5 (Numéro Spécial): 85–95.
- Touré A**, M Chano, M **Becker** and DE **Johnson**. 2005. *Une approche diagnostique pour mieux cibler les interventions culturales dans les bas-fonds rizicoles de la Côte d’Ivoire*. *Agronomie Africaine* 17 (3).

- Traore O, Sorho F, Pinel A, Abubakar Z, Banwo O, Maley J, Hebrard E, Winter S, **Séré** Y, Konate G and D Fargette. 2005. Processes of diversification and dispersion of Rice yellow mottle virus inferred from large-scale and high-resolution phylogeographical studies. *Molecular Ecology*, 14 (7): 2097–2110.
- van Asten** PJA, van Bodegom PM, Mulder LM and MJ Kropff. 2005. Effect of straw application on rice yields and nutrient availability on an alkaline and a pH-neutral soil in a Sahelian irrigation scheme. *Nutrient Cycling in Agroecosystems* 72: 255–266.
- Veldboom LR and M Lee. 1996. Genetic mapping of quantitative trait loci in maize in stress and non-stress environments I. Grain yield and yield components. *Crop Science* 36: 1310–1319.
- Watanabe H, **Futakuchi** K and MP Jones. 2006. Grain quality traits of NERICA rice. *Expert Bulletin for International Cooperation of Agriculture and Forestry* 1: 12–23.
- Watanabe H, **Futakuchi** K, Jones MP and BA Sobambo. 2006. Grain protein content of interspecific progenies developed from the cross of African rice (*Oryza glaberrima* Steud.) and Asian rice (*O. sativa* L.). *Plant Production Science* 9 (3): 287–293.