

LITERATURE CITED

- Andersen, J.R. and T. Lubberstedt. 2003. Functional markers in plants. **Trends Plant Sci.** 8: 554-560.
- Ashkenazi, V., E. Chani, U. Lavi, D. Levy, J. Hille and R.E. Veilleux. 2001. Development of microsatellite markers in potato and their use in phylogenetic and fingerprinting analyses. **Genome** 44: 50-62.
- Ashworth, V.E.T.M., M.C. Kobayashi, M. De La Cruz and M.T. Clegg. 2004. Microsatellite markers in avocado (*Persea americana* Mill.): development of dinucleotide and trinucleotide markers. **Scientia Hort.** 101: 255-267.
- Baleiras-Couto, M.M. and J.E. Eiras-Dias. 2006. Detection and identification of grape varieties in must and wine using nuclear and chloroplast microsatellite markers. **Analytic Chimica Acta** 563: 283-291.
- Bouhadida, M., A.M. Casas, M.A. Moreno and Y. Gogorcena. 2007. Molecular characterization of Miraflores peach variety and relatives using SSRs. **Scientia Hort.** 111: 140-145.
- Brondani, R.P.V., C. Brondani, R. Tarchini and D. Grattapaglia. 1998. Development, characterization and mapping of microsatellite markers in *Eucalyptus grandis* and *E. urophylla*. **Theor. Appl. Genet.** 97: 815-827.
- Changtragoon, S., A.E. Szmidt and B. Boontawee. 1996. The study of genetic diversity of *Azadirachta* spp. by using isozyme analysis, pp. 353-360. **In The proceeding of the Third Asia-Pacific Conference on Agriculture Biotechnology**, 10-15 November, 1996. Hau Hin, Prachuapkhirikhan, Thailand.

- Collevatti, R.G., R.V. Brondani and D. Grattapaglia. 1999. Development and characterization of microsatellite markers for genetic analysis of a Brazilian endangered tree species *Caryocar brasiliense*. **Heredity** 83: 748-756.
- Condit, R. and S.P. Hubbell. 1992. Abundance and DNA sequence of two-base repeat regions in tropical tree genomes. **Genome** 34: 66-71.
- Dhaliwal, G.S., R. Arora and O. Koul. 2004. Neem research in Asian continent: present status and future outlook, pp. 65-96. **Neem Today and in the New Millennium**. Kluwer Academic Publishers, London.
- Dong, J., Z. Guang-Yan and H. Qi-Bing. 2006. Analysis of microsatellites in citrus unigenes. **Acta Genetica Sinica** 4: 345-353.
- Echt, C.S. 1999. Use of microsatellite markers in management of conifer forest species. **Strategies for Improvement of Forest Trees. Council for Forest Reaserch and Development**: 75-82.
- Eisen, J.A. 1999. Mechasnistic basis for microsatellite instability, pp. 35-48. *In* Goldstein, and Schlotterer, comps. **Microsatellites Evolution and Applications**. Oxford University Press Inc, New York.
- Fischer D. and K. Bachmann. 1998. Microsatellite enrichment in organisms with large genomes (*Allium cepa* L.). **BioTechniques** 24: 796-802.
- Forster, P. and G. Moser. 2000. **Status Report on Global Neem Usage**. Universum Verlagsanstalt, Germany.
- Fujimori, S., T. Washio, K. Higo, Y. Ohtomo, K. Murakami, K. Matsubara, J. Kawai, P. Carninci, Y. Hayashizaki, S. Kikuchi and M. Tomita. 2003. A novel feature of microsatellites in plants: a distribution gradient along the direction of transcription. **FEBS Lett.** 554: 17-22.

Gillet, E.M. 1999. **Which DNA marker for which purpose? Final Compendium of the Research Project Development, optimization and validation of molecular tools for assessment of biodiversity in forest trees in the European Union DGXII Biotechnology FW IV Research Programme Molecular Tools for Biodiversity.** Available Source:

<http://webdoc.sub.gwdg.de/ebook/y/1999/whichmarker/index.htm>, March 5, 2007.

Glover N. and N. Adams. 1990. **Tree improvement of multipurpose species. Multipurpose Tree Species Network Tech. Series, Vol. 2.** Winrock International Institute for Agricultural Development, Arlington, U.S.A.

Hall, T.A. 1999. BioEdit: a user-friendly biological sequence alignment editor and analysis program for Window 95/98/NT. **Nucl. Acids Symp.Ser.** 41: 95-98.

International Neem Network. 2000. **International Provenance Trials of Neem Description of international provenance trials of Neem (*Azadirachta indica* A.Juss) established by collaborators of the International Neem Network.** FAO. Available Source: <http://www.fao.org/docrep/006/ad233e/ad233e00.htm>, May 10, 2007.

Jones, E.S., L.J. Hughes, M.C. Drayton, M.T. Abberton, T. P.T. Michaelson-Yeates, C. Bowen and J.W. Forster. 2003. An SSR and AFLP molecular marker-based genetic map of white clover (*Trifolium repens* L.). **Plant Sci.** 165: 531-539.

Judd, W.S., C.S. Campbell, E. A. Kellogg and P. F. Stevens. 1999. **Plant Systematics A phylogentic Approach.** Sinauer Association, Inc. Publishers, Massachusetts, USA.

_____, _____ and M. J. Donoghue. 2002. **Plant systematics A phylogentic Approach.** 2 ed. Sinauer Association, Inc. Publishers, Massachusetts, USA.

- Kimura, M. and J.F. Crow. 1964. The number of allele that can be maintained in the finite population. **Genetics** 49: 725-738.
- Krisanapant, W. 2007. **Genetic variation on some growth, morphological, and anatomical characteristic of neem (*Azadirachta indica* A.Juss.) grown in Thailand.** Doctor Thesis, Kasetsart University, Bangkok. 197 p.
- Korzun, V. 2003. **Molecular markers and their applications in cereal breeding**
Marker Assisted Selection: A fast track to increase genetic gain in plant and animal breeding? Available Source: <http://fao.org/biotech/conf10.htm>
June 12, 2007.
- Lagercantz, U. and N. Ryman. 1990. Genetic structure of Norway spruce (*Picea abies*): concordance of morphological and allozymic variation. **Evolution** 44: 38-53.
- Lauridsen, E. B., C. Kanchanaburagura and S. Boonsermsuk. 1991. Neem (*Azadirachta indica* A.Juss.) in Thailand. **Forest Genetic Resources Information No_19**: 25-33.
- Lemmens, R.H.M.J., I. Soerianegara and W.C. Wong. 1995. **Plant Resources of South-East Asia No 5 (2). Timber Tree: Minor commercial timbers.** Backhuys Publisher, Prosea Foundation, Bogor, Indonesia.
- Li, Y., K. Wongprasert, M. Shekhar, J. Ryan, L. Dierens, J. Meadows, N. Preston G. Coman and R.E. Lyons. 2007. Development of two microsatellite multiplex systems for black tiger shrimp *Penaeus monodon* and its application in genetic diversity study for two populations. **Aquaculture**: In Press.
- Mabberley, D.J., C.M. Pannell and A.M. Sing. 1995. **Flora Malesiana. Series I, Spermatophyta: Flowering Plants Vol.12 part 1: Meliaceae.** Foundation Flora Malesiana, Malaysia.

- Mariette, S., D. Chagne, S. Decroocq, G. G. Vendramin, C. Lananne, D. Madur and C. Plomion. 2001. Microsatellite markers for *Pinus pinaster* Ait. **Ann.For. Sci.** 111: 280-292.
- Martinez, L.E., P.F. Cavagnaro, R.W. Masuelli and M. Zuniga. 2006. SSR-based assessment of genetic diversity in South American *Vitis vinifera* varieties. **Plant Sci.** 170: 1036-1044.
- Mason, S.L., M.R. Stevens, E.N. Jellen, A. Bonifacio, D.J. Fairbanks, C.E. Coleman, R.R. McCarty, A.G. Rasmussen and P.J. Maughan. 2005. Development and use of microsatellite markers for germplasm characterization in Quinoa (*Chenopodium quinoa* Willd.). **Crop Sci.** 45: 1618-1630.
- Miller, M.P. 1997. **Tool for Population Genetic Analysis (TFPGA) version 1.3.** Department of Biology Science, North Arizona University, Arizona.
- Mitscher L.A. 2005. A modern look at folkloric use of anti-infective agents, pp. 329-352. In Z. Yaniv and U. Bachrach, eds. **Handbook of Medicinal Plants.** The Howorth Press, Inc, USA.
- Mosjidis, J.A. and K.A. Klingler. 2006. Genetic diversity in the core subset of the U.S. red clover germplasm. **Crop Sci.** 46: 758-762.
- National Research Council. 1992. **Neem: A Tree for Solving Global Problems.** National Academy Press, Washington, D.C.
- Neem Foundation. 2007. About Neem. Available Source: <http://www.neemfoundation.org/aboutneem.htm>, March 1, 2007.
- Nei, M. 1978. Estimation of average heterozygosity and genetic distance from a small number of individuals. **Genetics** 89: 583-590.

- Omran-Sabbaghi, A., M. Shahi, M. Falahati-Anbaran, S.A. Mohammadi, A. Nankali, M. Mardi and B. Ghareyazie. 2007. Microsatellite markers based assessment of genetic diversity in Iranian olive (*Olea europaea* L.) collections. **Scientia Hort.** : In Press.
- Pandey, M. 2005. **Development of Microsatellites in sycamore maple (*Acer pseudoplatanus* L.) and their application in population genetics.** Ph.D. thesis, Georg-August University of Göttingen, Germany.
- Portis, E., A. Acquadro, C. Comino, G. Mauromicale, E. Saba and S. Lanteri. 2005. Genetic structure of island populations of wild cardoon (*Cynara cardunculus* L. var. *sylvestris* (Lamk) Fiori)) detected by AFLPs and SSRs. **Plant Sci.** 169: 199-210.
- Promega. 2005. **Technical Manual pGEM? -T and pGEM? -T Easy Vectors.** Promega Corporation, USA.
- Quattrocchi, U. 2000. **CRC world dictionary of plant names: common names, scientific names, eponyms, synonyms, and etymology.** CRC Press LLC, USA.
- Ritschel, P.S., T.C.L. Lins, R.L. Tristan, G.S.C. Buso, J.A. Buso and M.E. Eerreira. 2004. Development of microsatellite markers from an enriched genomic library for genetic analysis of melon (*Cucumis melo* L.). **BMC Plant Biol.** 4: 1-14.
- Rozen, S. and H. Skaletsky. 2000. Primer3 on the WWW for general users and for biologist programmers, pp. 365-386. *In* S. Krawetz and S. Misener, (eds.). **Bioinformatics Methods and Protocols: Methods in Molecular Biology.** Humana Press, Totowa, NJ.

- Sanchez-Perez, R., D. Ruiz, F. Ficenta, J. Egea and P. Martinez-Gomez. 2005. Application of simple sequence repeat (SSR) markers in apricot breeding: molecular characterization, protection, and genetic relationships. **Scientia Hort.** 103: 305-315.
- Schmidt, L. and D. Joker. 2000. *Azadirachta indica* A.Juss. **Seed Leaflet** No. 12:
- Schlotterer, C. and D. Tautz. 1992. Slippage synthesis of simple sequence DNA. **Nucl. Acid Res.** 20: 211-215.
- Schmutterer, H. 1995. **The Neem Tree (*Azadirachta indica* A.Juss.) and Other Meliaceous Plants: Sources of Unique Natural Products for Integrated Pest Management, Medicine, Industry and Other Purposes.** VCH Publishers Inc., Weinheim, Germany.
- Shiran, B., N. Smirbakhtiar, S. Kiani, Sh. Mohammadi, B.E. Sayed-Tabatabaei and H. Moradi. 2007. Molecular characterizaion and genetic relationship among almond cultivars assessed by RAPD and SSR markers. **Scientia Hort.** 111: 280-292.
- Shokeen, B. N.K. Sethy, S. Kumar and S. Bhatia. 2007. Isolation and characterization of microsatellite markers for analysis of molecular variation in the medicinal plant Madagascar periwinkle (*Catharanthus roseus* (L.) G. Don). **Plant Sci.** 172: 441-451.
- Singh, A., A. Chaudhury, P.S. Srivastava and M. Lakshmikumaran. 2002. Comparison of AFLP and SAMPL markers for assessment of intra-population genetic variation in *Azadirachta indica* A.Juss. **Plant Sci.** 162: 17-25.
- Sneath, P. H. A. and R. R. Sokal. 1973. **Numeric Taxonomy.** Freeman, San Francisco.

- Sombatsiri, K., K. Ermel and H. Schmutterer. 1995. Other meliaceouse plants containing ingredients for integrated pest management and further purposes. *Azadirachta* spp. The Thai neem tree: *Azadirachta siamensis* (Val.), pp. 585-597. In Schmutterer (ed). **The Neem Tree (*Azadirachta indica* A.Juss.) and Other Meliaceous Plants: Sources of Unique Natural Products for Integrated Pest Management, Medicine, Industry and Other Purposes.** VCH Publishers Inc., Weinheim, Germany.
- Stajner, N., J. Jakse, P. Kozjak and B. Javornik. 2005. The isolation and characterisation of microsatellites in hop (*Humulus lupulus* L.). **Plant Sci.** 168: 213-221.
- Surzycki, S. 2000. **Basic Techniques in Molecular Biology.** Springer-Verlag, Germany.
- Tewari, D.N. 1992. **Monograph on Neem (*Azadirachta indica* A.Juss.).** Int. Book Distributors, Dehra Dun, India.
- Varshney, R. K., A. Graner and M. Sorrells. 2005. Genic microsatellite markers in plants: features and applicaitons. **Trends Biotechnol.** 23: 48-55.
- Wang, Z., J.L. Webber, G. Zhong and S.D. Tanksley. 1994. Survey of plant short tandem DNA repeats. **Theor. Appl. Genet.** 88: 1-6.
- Wang, Y., J. Luo, X. Xue, H. Korpelainen and C. Li. 2005. Diversity of microsatellite markers in the populations of *Picea asperata* originating from the mountains of China. **Plant Sci.** 168: 707-714.
- Warrier, P.K., V.P.K. Nambiar, C. Ramankutty. 1994. **Indian Medicinal Plants Volume 1 a Compendium of 500 Species.** Orient Longman Ltd., India.

Webber J.L. and P.E. May. 1989. Abundance class of human DNA polymorphisms which can be typed using the polymerase chain reaction. **Am. J. Hum. Genet.** 44: 388-396.

Webber, J.L. 1990. Informativeness of human (dC-dA)_n (dG-dT)_n polymorphisms.. **Genomics** 7: 524-530.

Wright, S. 1978. Evolution and the Genetics of Populations. *In* **Variability Within and Among Natural Populations vol. 4.** University of Chicago Press, Chicago, IL;

Wunsch, A. and J. I. Hormaza. 2007. Characterization of variability and genetic similarity of European pear using microsatellite loci development in apple. **Scientia Hort.** 113: 37-43.

Yeh, F.C., R.C. Yang and T. Boyle. 1999. **POPGENE version 1.31 Microsoft Window-base Freeware for Population Genetic Analysis.** University of Alberta and Center for International Forestry Research, Alberta, Canada.