

CHAPTER 6

BIBLIOGRAPHY

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- Aceto, S., Di Maro, A., Conforti, B., Siniscalco, G.G., Parente, A., Delli B.P. and Gaudio, L., 2005. Nicking activity on PBR322 DNA of ribosome inactivating proteins from *Phytolacca dioica* L. leaves, *Biol. Chem.*, **386**: 307-317.
- Adams, R.P., Neisess, K.R., Pakhurst, R.M., Makhubu, L.P. and Wolde, Y., 1989. *Phytolacca dodecandra* (Phytolaccaceae) in Africa: Geographical variation in morphology, *Taxon.*, **38(1)**: 17-26.
- Anderson, J.M., 1980. Chlorophyll-protein complexes of higher plant thylakoids: Distribution, stoichiometry and organization in the photosynthetic unit, *FEBS. Lett.*, **117**: 327-331.
- Annamma, Y.V., 1998. Random Amplified Polymorphic DNA (RAPD) technique and its applications. In. Varghese, J.P. (Ed.), *Molecular approaches to crop improvement*, Udaya Press, Kottayam.
- Antimo D. M., Paola V., Andrea B., Fiorenzo S. and Paolo D. L., 1999. Isolation and characterization of four type-1 ribosome inactivating proteins, with polynucleotide adenosine glycosidase activity, from leaves of *Phytolacca dioica* L., *Planta*, **208**: 125-131.
- Antimo, D. M., Angela, C., Addolorata, D., Paolo, C., and Parente, A. 2007. Isolation and characterization of heterotepalins, type-1 ribosome-inactivating proteins from *Phytolacca heterotepala* leaves, *Phytochem.*, **68(6)**: 767-776.
- Appel, H.M., 1993. Phenolics in ecological interactions: The importance of oxidation, *J. Chem. Ecol.*, **19**: 1521-1552.
- Armesto, J.J., Cheplick, G.P. and McDonnel, M.J., 1983. Observations on the reproductive biology of *Phytolacca americana* (Phytolaccaceae), *Bull. Tor. Bot. Club.*, **110(3)**:380-383.
- Arnon, D.I., 1949. Copper enzymes in isolated chloroplast. Polyphenol oxidase in *Beta vulgaris.*, *Plant Physiol.*, **24**: 1-15.
- Austin, D.F., 2001. Hoop vine: The Plant that wasn't there, *The Palmetto*, **20(4)**: 10-12.
- Bais, H.P., Vepachedu, R. and Gilroy, S., 2003. Allelopathy and exotic plant invasion: From molecules and genes to species interactions, *Science*, **301**: 1377-1380.

- Baker, A.J.M. and Brooks, R.R., 1989. Terrestrial higher plants which hyperaccumulate metallic elements. A review for their distribution, ecology and Phytochemistry, *Biorecovery*, **1**: 81-126.
- Balfour, E., 1965. Anomalous secondary thickening in Chenopodiaceae, Nyctaginaceae and Amaranthaceae, *Phytomorphology*, **15**: 111-122.
- Barbieri, L., Aron, G.M., Irvin, J.D. and Stirpe, F., 1982. Purification and partial characterization of another form of the antiviral protein from the seeds of *Phytolacca americana* L. (pokeweed), *Biochem. J.*, **203**: 55-59.
- Barque, D.E. and Lequesne, P.W., 1971. 3-Acetyl-oleanic acid from *Phytolacca americana* seeds, *Phytochemistry*, **10**: 3319-3320.
- Bedell, H.G., 1980. A taxonomic and morphological re-evaluation of stenospermaceae (Caryophyllales), *Syst. Bot.*, **5**: 419-431.
- Behnke, H.D., Chang, C., Eifert, I.J. and Mabry, T.J., 1974. Betalains and P-Type sieve-tube plastids in *Petiveria* and *Agdestis* (Phytolaccaceae), *Taxon*, **23**(4): 541-542.
- Benevides, P.J.C., Young, M.C.M., Giesbrecht, A.M., Roque, N.F.B. and Da, S., 2003. Antifungal polysulphides from *Petiveria alliacea* L., *Phytochemistry*, **57**: 743-747.
- Bentham, G. and Hooker, J.D., 1979. *Genera Plantarum*, L. Reeve and Company, London.
- Bhat, K.V., and Jarret, R.L., 1995. RAPD and genetic diversity in Indian *Musa* germplasm, *Genet. Resou. Crop. Evol.*, **42**(2): 107-118.
- Brown, A.J.L. and Langley, C.H., 1979. Revaluation of genic heterogeneity in natural populations of *Drosophila melanogaster* by two dimensional electrophoresis, *Proc. Natl. Acad. Sci. USA.*, **76**: 2381-2384.
- Brown, G.K. and Varadarajan, G.S., 1985. Studies in Caryophyllales I: Re-evaluation of classification of Phytolaccaceae, *Syst. Bot.*, **10**(1): 49-63.
- Byrd, J.W., 1966. Poke sallet from Tennessee to Texas, *Texas Ten – Folklore Soc. Bull.*, **32**: 48-54.
- Chague, V., Mercier, J.V., Guenard, M., de Courcal, A. and Vedel, F., 1997. Identification of RAPD markers linked to a locus involved in

quantitative resistance to TYLCV in tomato by bulked segregation analysis, *Theor. Appl. Genet.*, **95(4)**: 671-677.

Chambery, A., Di Maro, A. and Parente, A., 2008. Primary structure and glycan moiety characterization of PD Ss, type-1 RIPs from *Phytolacca dioica* L. seeds, by precursor ion discovery on a Q-TOF mass spectrometer, *Phytochemistry*, **69**: 1973-1982.

Chambery, A., Pisante, M., Di Maro, A., Di Zazzo, E., Ruvo, M., Costantini, S., Colonna, G. and parente, A., 2007. Invariant ser 211 is involved in the catalysis of PD-L4, Type-1 RIP from *Phytolacca dioica* leaves, *Proteins*, **67**: 209-218.

Chi, H.J. and Kim, H.S., 1985. Saponins from the callus mass of *Phytolacca americana*, *Arch. Pharm. Res.*, **8(1)**: 15-20.

Cho, S.Y., Sim, J.S., Kang, S.S., Jeong, C.S., Robert, J.L. and Kim, Y.S., 2003. Enhancement of heparin and heparin disaccharide absorption by the *Phytolacca americana* saponins, *Arch. Pharm. Res.*, **26(12)**: 1102-1108.

Conn, E.E. and Stumpf, P.K., 1990. *Outlines of biochemistry*, 4th ed., Wiley Eastern Ltd., New Delhi.

Cronquist, A. and Thorne, R.F., 1994. Nomenclature and taxonomic history. In: Behnke, H.D. and Mabry, T.J. (Eds). *Caryophyllales: Evolution and systematics*, Springer, Berlin.

Cronquist, A., 1968. *The evolution and classification of flowering plants*, Houghton Mifflin company, Boston.

Cronquist, A., 1981. *An integrated system of classification of flowering plants*, Columbia University Press, New York.

Dallal, J. and Irvin, J.D., 1978. Enzymatic inactivations of eukaryotic ribosomes by the pokeweed antiviral proteins, *FEBS Lett*, **89**: 257-259.

Daniel, M., 1991. *Methods on plant chemistry and Economic Botany*, Kalyani Publishers, New Delhi.

Davis, I. J., 1985. Introgression in central American *Phytolacca* (Phytolaccaceae), *Amer. J. Bot.*, **72(12)**: 1944-1953.

Dawson, I.K., Chalmers, K.J., Waugh, R. and Powell, W., 1993. Detection and analysis of genetic variation in *Hordeum spontaneum* populations from Israel using RAPD markers, *Mol. Ecol.*, **2**: 151-159.

- Decraene, R.L.P., Vanvinckenroye, P. and Smets, E.F., 1997. A study of floral morphological diversity in *Phytolacca* (Phytolaccaceae) based on early floral ontogeny, *Int. J. Plant. Sci.*, **(158)**: 57-72.
- Del Carmen, A.M., 1988. Anti-inflammatory and analgesic activity of *Petiveria alliacea* L., *J. Scand Gastroenterol*, **6**: 453-457.
- Del V. B., F., Bolongnesi, A., Sander, M.J.W., Savio, G. and Parente, A., 1997. Complete amino acid sequence of PD-S₂, a new ribosome-inactivating protein from seeds of *Phytolacca dioica* L., *Biochem. Biophys. Acta.*, **1338**: 137-144.
- Dellaporta, S.L., Wood, J. And Hicks, J.B., 1983. A plant DNA minipreparation: Version II., *Plant Mol. Biol. Rep.*, **1**: 19-21.
- Dhruvan T., Mathew, D., and Philip M., 1997. *Petiveria alliacea* L. (Phytolaccaceae): A new record for peninsular India, *Rheedea*, **7(1)**: 37-39.
- Di Maro, A., Cambery, A., Daniele, A., Casoria, P. and Parente, A., 2007. Isolation and characterization of heterotepalins, type-1 ribosome-inactivating proteins from *Phytolacca dioica* L., *Plante*, **208**: 125-131.
- Downie, S.R. and Palmer, J.D., 1994. Phylogenetic relationships using restriction site variation of the chloroplast DNA inverted repeat. In Behnke, H.D. and Mabry, T.J. (Eds.), *Caryophyllales: Evolution and systematic*, Springer, Heidelberg, Berlin.
- Doyle, J.J. and Doyle, J.L., 1987. A rapid DNA isolation procedure from small quantities of fresh leaf tissue, *Phytochem. Bull. Bot. Soc. Amer.*, **19**: 11-15.
- Dubois, M., Gilles, K.A., Hamiltom, J.K., Rebers, P.A. and Smith, F., 1956. Phenol-sulfuric method for the determination of total carbohydrate, *Anal. Chem.*, **28**: 350-356.
- Dutta, N.M. and Mitra, D., 1961. Three newly recorded plants from West Bengal, *Ind. For.*, **87**: 304-308.
- Eastwood, R.F., Lagudah, E.S. and Appels, R., 1994. A directed search for DNA sequences tightly linked to cereal cyst nematode resistance genes in *Triticum tauschii*, *Genome*, **37**: 311-319.
- Ellsworth, D.L., Rittenhouse, K.D. and Honeycutt, R.L., 1993. Artificial variation in randomly amplified polymorphic DNA banding patterns, *Biotechniques*, **14**:214-217.

- Evans, W.C., 2002. *Trease and Evans Pharmacognosy*, 15th ed., Harcourt Publishers Ltd., London.
- Fahn, A. and Schchori, Y., 1967. The organization of the secondary conducting tissues in some species of the chenopodiaceae, *Phytomorphology*, **17**: 147-154.
- Fang, G. H., S. and Grumet, R., 1992. A quick and inexpensive method for removing polysaccharides from plant genomic DNA, *Bio Techniques*, **13**: 52-56.
- Farmer, R.E. and Hall, G.C., 1970. Pokeweed seed germination: Effects of environment, stratification and chemical growth regulators, *Ecology*, **51**: 894-898.
- Ferrera, G.C. and Basterrechea, Y., 1996. Preclinic study of the anti-inflammatory effects of total and flavonotic extracts of the species *Petiveria alliacea* L., *Santiago de Cuba*, **1**: 17.
- Forni, E., Trifilo, A. and Polesello, A., 1983. Researches on the utilization of the pigment from *Phytolacca decandra* L., as food colourant, *Part I. Food Cham.*, **10**: 35-46.
- Forster, J. and Knaak, C., 1995. Estimation of the genetic distance of 21 winter rapeseed varieties by RAPD analysis in comparison to RFLP results, *Proc. 9th Int. Rapessed Cong.*, Cambridge, U.K.
- Foster, A.S., 1961. The phylogenetic significance of dichotomous venation in angiosperms, *Rec. Adv. Bot.*, **2**: 971-975.
- Foster, A.S., 1968. Further morphological studies on anastomoses in the dichotomous venation of *Circaeaster*, *J. Arnold. Arb.*, **49**: 52-67.
- Fujii, T., Hayashida, M., Hamasu, M., Ishiguro, M. and Hata Y., 2004. Structures of two lectins from the roots of pokeweed (*Phytolacca americana*), *Acta. Cryst*, **60(4)**: 665-673.
- Gallois, A., Andran, J.C. and Burrrns, M., 1998. Assessment of genetic relationships and population discrimination among *Fagus sylvatica* L. by RAPD, *Theor. Appl. Genet.*, **97**: 211-219.
- Gamble, J.S., 1967. *Flora of the Presidency of Madra Vol.I.*, Botanical Survey of India, Calcutta.
- Ghosh, R.B. and Sikdar, J.K., 1983. A revision of the Indian Phytolaccaceae (*sensu lato*), *J. Econ. Tax. Bot.*, **4**: 153-163.

- Giannasi, D.E., Zurawski, G., Learn, G. and Clegg, M.T., 1992. Evolutionary relationships of the Caryophyllidae based on comparative *rbcL* sequences, *Syst. Bot.*, **17**:1-15.
- Girma T. and Johan, C. P., 2007. *In vitro* and *in vivo* antifungal activity of crude extracts and powered dry material from Ethiopian wild plants against economically important plant pathogens, *Biol. Control.*, **52**: 877-888.
- Goodwin, T.W. and Mercer, E.I., 1986. *Introduction to plant biochemistry*, Pergamon Press, Oxford, U.K.
- Guiling, L.I., 1998. Extraction of *Phytolacca acinosa* and its molluscicidal effects., *J. Tongji Med. Univ.*, **18(2)**: 69-71.
- Haile, M.F., 1994. *Endod, the wonder plant: Phytolacca dodecandra. An update of 30 years research on the molluscicidal and other properties of the plant*, University Printing Press, Addis, Ababa.
- Hall, J.P. and Melville, C., 1954. Veinlet termination number, some further observations, *J. Pharmacol.*, **6**: 129-133.
- Han, S.M., Bae, K.H. and Choi, K.S., 1998. Identification and bioassay of bioactive compounds isolated from *Phytolacca americana*, *Kor. J. Ecol.*, **21**: 35-45.
- Handa, S.S. and Kapoor, V.S., 1999. *Pharmacognosy*, Vallabh Prakashan Publishers, New Delhi.
- Hang, Z., and Kai-Mei, 2008. Inhabitation of *Ageratina adenophore* on spore germination and gametophyte development of *Macrothelypteris torresiana*, *Jour. Int. Plant. Biol.*, **50(5)**: 35-45.
- Harbone, J.B., 1973. *Phytochemical methods: A guide to modern techniques of plant analysis*, Chapman and Hall Ltd., London.
- Hawkes, J.G., 1968. *Chemotaxonomy and serotaxonomy Vol.2*: Academic Press, London.
- Hedrick, P., 1992. Shooting the RAPDs, *Nature*, **335**: 679-680.
- Hershkovitz, M.A., 1989. Phylogenetic studies in Centrospermae: a brief appraisal, *Taxon.*, **38**: 602-608.
- Hickey, L.J., 1971. Evolutionary significance of leaf architectural features in woody dicots, *Amer. J. Bot.*, **58**: 459.

- Hickey, L.J., 1973. Classification of the architecture of dicotyledonous leaves, *Amer. J. Bot.*, **60**: 17-23.
- Hooker, J.D., 1983. *The Flora of British India, Vol.5*, L. Reeve and Company, Kent.
- Horak, K., 1981. The three-dimensional structure of vascular tissues in *Stegnosperma* (Phytolaccaceae), *Bot. Gaz.*, **142(4)**: 545-549.
- Houston, L.L., Ramakrishnan, S., and Hermodson, M.A., 1983. Seasonal variations in different forms of pokeweed antiviral protein, a potent-inactivator of ribosomes, *J. Biol. Chem.*, **258**: 9601-9604.
- Hu, J. and Quiros, C.F., 1991. Identification of broccoli and cauliflower cultivars with RAPD markers, *Plant. Cell. Rep.*, **10**: 505-511.
- Hu, X.X., Ohm, H.W. and Dweikat, I., 1997. Identification of RAPD markers linked to the gene PML for resistance to powdery mildew in Wheat, *Theor. Appl. Genet.*, **94(6 - 7)**: 832-840.
- Hung, J.C. and Hyun, S.K., 1985. Saponins from the callus mass of *Phytolacca americana*, *Arch. Pharm. Res.*, **8(1)**: 15-20.
- Hutchinson, J., 1964. *The families of flowering plants, vol.1: Dicotyledons*, Macmillan and Company Ltd., London.
- Hutchinson, J., 1973. *The families of flowering plants, 3rd ed*, McMillan Co., Ltd., London.
- Inamdar, J.A. and Patel, R.C., 1976. Ontogeny of normal and abnormal stomata in the seedlings of some Solanaceae, *Phyton.*, **17**:265-276.
- Inderjit, 2003. Ecophysiological aspects of allelopathy, *Planta*, **217**: 529-539.
- Irvin, J.D., Kelly, T. and Robertus, J.D., 1980. Purification and properties of a second antiviral protein from *Phytolacca americana* which inactivates eukaryotic ribosomes, *Arch. Biochem. Biophys.*, **200**: 418-425.
- Jain, A., Batia, S., Banga, S., Prakash, S. and Lakshikumaran, M., 1994. Potential use of random amplified polymorphic DNA (RAPD) technique to study the genetic diversity in Indian mustard (*Bassica juncea*) and its relationship to heterosis, *Theor. Appl. Genet*, **88**: 116-122.

- Jan, M., 1988. Comparative development of viable and aborted ovules in *Phytolacca americana* L. (Phytolaccaceae), *Bot. Gaz.*, **149(2)**: 196-202.
- Jayaraman, J. 1981. *Laboratory manual in biochemistry*, New Age International Ltd., New Delhi.
- Johnson, L., Williams, L.D.A. and Roberts, E.V., 1997. An insecticidal and acaricidal polysulphide metabolite from the roots of *Petiveria alliacea*, *Pest. Sci.*, **503**: 228-232.
- Julieta, M. G. and McDonald, A.J., 1989. Nowickeia (Phytolaccaceae), a new genus with two new species from Mexico, *Brittonia*, **41(4)**: 399-403.
- Kamboj, V.P., 2000. Nutraceuticals, *Current Sci.*, **78(1)**: 11-12.
- Kang, S.S. and Woo, W.S., 1986. Synthesis of epialeuritolic acid, *Arch. Pharm. Res.*, **9(3)**: 153-156.
- Kang, S.S. and Woo, W.S., 1987. Two new saponins from *Phytolacca americana*, *Planta Med.*, **53**: 338-340.
- Kang, S.S. and Woo, W.S., 1991. Phytolaccoside I, a new saponin from *Phytolacca americana*, *Fitoterapia*, **62**: 532-533.
- Keil, M. and Griffin, A.R., 1994. Use of random amplified polymorphic DNA (RAPD) markers in the discrimination and varification of genotypes in *Eucalyptus*, *Theor. Appl. Genet.*, **89**: 442-450.
- Kennedy, T.A., Naeem, S. and Howe, K.M., 2002. Biodiversity as a barrier to ecological invasion, *Nature*, **417**: 636-638.
- Kim, S., 2006. Antibacterial and antifungal activity of sulfur containing compounds from *Petiveria alliacea* L., *J. Ethnopharmacol.*, **104(1-2)**: 188-192.
- Kim, Y.O., Johnson, J. D. and Lee, E.J., 2005. Phytotoxic effects and chemical analysis of leaf extracts from three Phytolaccaceae species in South Korea, *J. Chem. Ecol.*, **31(5)**: 1175-1186.
- Kim, Y.O., Lee, E.J. and Lee, H.J., 2000. Antimicrobial activities of extracts from several native and exotic plants in Korea, *Kor. J. Ecol.*, **23**: 353-357.
- Kingsbury, J.M., 1980. One man's poison, *Bioscience*, **30**: 171-175.

- Kingsbury, J.M. and Hillman, R.B., 1965. Pokeweed (*Phytolacca*) poisoning in a dairy herd, *Cornell. Vet.*, **55**: 534-538.
- Knight, A.P. and Walter R.G., 2003. Plants affecting the digestive system. In: Knight A.P. and Walter R.G. (Eds.), *A guide to plant poisoning of animals in North America*, Telon New Media, New York.
- Kokate, C.K., Purohit, A.P. and Gokhale S.B., 2004. *Pharmacognosy*, Nirali Prakasahan Publishers, Pune.
- Koller, B., Lahmann, A., McDermott, J.M. and Gessler C., 1993. Identification of apple cultivars using RAPD markers, *Theor. Appl. Genet.*, **85**: 901-904.
- Krochmal, A., 1970. Germinating pokeberry seed (*Phytolacca americana* L.), *USDA Forest Service Res. Note.*, NE-114.
- Lambert, J.D.H., Temmink, J.H.M., Marquis, J., Parkhurst, R.M., Lugt, C.B., Schoonen, A.J.M., Holtze, K., Warner, J.E., Dixon, G., Woide, Y.L. and Desavigny, D., 1991. Endod: Safety evaluation of a plant molluscicide, *Regul. Toxicol. Pharmacol.*, **14**: 189-201.
- Lans, C.A., 2006. Ethnomedicines used in Trinidad and Tobago for urinary problems and diabetes mellitus, *J. Ethnobiol. Ethnomed.*, **2**: 45.
- Lashiermes, P., Cros, J. Marmey, P. and Charrier, A., 1993. Use of random amplified DNA markers to analyse genetic variability and relationships of Coffea species, *Genet. Resour. Crop. Evol.* **40(2)**: 91-99.
- Lawrence, H.M.G., 1974. *Taxonomy of vascular plants*, 4th ed., Oxford and IBH Publishing Company, New Delhi.
- Lee, E.B., Lee, Y.S. and Woo, W.S., 1985. Anti-inflammatory activity of Americanin A., *Ach. Pharm. Res.*, **8(3)**: 139-147.
- Lee, H.J., Kim, Y.O. and Chang, N.K., 1997. Allelopathic effects on seed germination and fungus growth from the secreting substances of some plants, *Kor. J. Ecol.*, **20**: 181-189.
- Lehninger, A.L., 1991. *Biochemistry*, 2nd ed., Kalyani Publishers, New Delhi.
- Lemma, A., 1965. A preliminary report on the molluscicidal property of endod (*Phytolacca dodecandra*), *Ethio. Med. J.*, **3**: 187-190.

- Lemma, A., Wolde, Y.L., Praleigh, P.C., Klerks, P.L. and Lee, H.H., 1991. Endod is lethal to Zebra Mussels and inhibit their attachment, *J. Shellfish Res.*, **10**: 361-365.
- Link, W., Dixkens, C., Sigh, M., Scwall, M. and Melchineger, A.E., 1995. Genetic diversity in European and Mediterranean feba bean germplasm revealed by RAPD markers, *Theor. Appli. Genet.*, **90**: 27-32.
- Lloyd, F.E., 1917. Critical flowering and fruiting temperatures for *Phytolacca decandra*, *Plant World*, **20**: 121-126.
- Lopes, M. R.A., Pegoraro, D.H., Woisky, R., Penna, S.C. and Sertie, J.A., 2002. The anti-inflammatory and analgesic effects of a crude extract of *Petiveria alliacea* L. (Phytolaccaceae), *Phytomedicine*, **9(3)**: 245-248.
- Lowry, O.H., Rosenbrough, N.J., Farr, A. L. and Randall, R.J., 1951. Protein measurement with Folin-Phenol reagent, *J. Biol. Chem.*, **193**: 265-275.
- Mabry, T.J., Kimler, L. and Chang, C., 1972. The betalins: structure, function and biogenesis, and the plant order centrospermae. In Runeckles, V.C. and Tso, T.C. (Eds.), *Recent advances in phytochemistry, Vol. 5*, Oxford, New York.
- Margaret, B. and Susan J. M., 1990. The effect position on fruit characteristics and relationships among components of yield in *Phytolacca rivinoides* (Phytolaccaceae), *Biotropica*, **22(4)**: 353-365.
- Marschner, H., 1995. *Mineral nutrition of higher plants*, Academic Press, London.
- Masuho, Y., Kishida, K. and Hara, T., 1982. Targeting of the antiviral protein from *Phytolacca americana* with an antibody, *Biochem. Biophys. Res. Commn.*, **105**: 462-469.
- Mats, T., 2003. Proposal to reject the name *Villamillia* (Phytolaccaceae), *Taxon.*, **52(1)**: 143.
- Matthew, K.M., 1983. *The Flora or Tamilnadu Karnatic, Part II – Gamopetalae and Monochlamydeae*, Rapinat Herbarium, St. Joseph's College, Tiruchirappalli.
- Matthew, K.M., 1999. *The flora of the Palani Hills, South India, Part I*, The Rapinat Herbarium, St. Joseph's College, Tiruchirappalli.

- Melville, R., 1976. The terminology of leaf architecture, *Taxon*, **25**: 549-561.
- Metcalf, C.R. and Chalk, L., 1950. *Anatomy of the dicotyledons, Vol. II*, Clarendon Press, Oxford.
- Mikesell, J.E. and Allen C.S., 1980. Development of chambered pith in stems of *Phytolacca americana* L. (Phytolaccaceae), *Amer. J. Bot.*, **67(1)**: 111-118.
- Mikesell, J.E., 1979. Anomalous secondary thickening in *Phytolacca americana* L. (Phytolaccaceae), *Amer. J. Bot.*, **66(9)**: 997-1005.
- Mishra, M.K., 1997. Stomatal characteristics at different ploidy levels in *Coffea* L., *Ann., Bot.*, **80**: 689-692.
- Molgaard, P., Chihaka, A., Lemmich, E. Furu, P., Windberg, C., Ingerslev, F. and Halling-Sorensen, B., 2000. Biodegradability of molluscicidal saponins of *Phytolacca dodecandra*, *Regul. Toxicol. Pharmacol.*, **32**: 248-255.
- Moon, Y.H., Jeon, H.S., Choi, K.W. and Lee, J.S., 1994. Development of virus-resistant potato by expression of *Phytolacca* antiviral protein, *Mol. Cells.*, **4**: 183-188.
- Moon, Y.H., Song, S.K., Choi, K.W. and Lee, J.S., 1997. Expression of a cDNA encoding *Phytolacca insularis* antiviral protein confers virus resistance on transgenic potato plants, *Mol. cell.*, **7**: 807-815.
- Moreno, S., Gogorcena, Y. and Qrtiz, J.M., 1995. The use of RAPD markers for identification of cultivated grape wine (*Vitis vinifera* L.), *Scientia. Hort.*, **62**: 237-243.
- Murakani, A., Nakamura, Y., Torikai, K. and Tanaka, T., 2000. Inhibitory effect of *Citrus nobiletin* on phorbol ester – included skin inflammation, oxidative stress and tumor promotion in mice, *Cancer*, **60**: 5059-5066.
- Murray, M.G. and Thompson, W.F., 1980. Rapid isolation of high-molecular weight plant DNA, *Nucl. Acids Res.*, **8**: 4321-4325.
- Naqvi, N.I., Bonman, J.M., MacKill, D.J., Nelson, R.L. and Chattoo, B.B., 1995. Identification of RAPD markers linked to a major blast resistance gene in rice, *Mol. Breed.*, **1**: 341-348.

- Ndamba, J. and Makaza, N., 1989. The use of *Phytolacca dodecandra* berries in the control of termatode-transmitting snails in Zimbabwe, *Acta. Troica*, **46**: 303-309.
- Ndamba, J., Ian, R., Else, L., Stephen, K.C., Peter, F. and Per, M., 1996. Berry productivity and molluscicidal saponin yield of *Phytolacca dodecandra* (Phytolaccaceae) under different sunlight, watering and nutrient conditions, *Econo. Bot.*, **50(2)**: 151-166.
- Ndamba, J., Lemmich, E. and Molgaard, P., 1994. Investigation of the diurnal, antogenetic and seasonal variation in the molluscicidal saponin content of *Phytolacca dodecandra* aqueous berry extracts, *Phytochemistry*, **35**: 95-99.
- Nei, M. and Li, W.H., 1979. Mathematical model for studying genetic variation in terms of restriction endonucleases, *Proc. Natl. Acad. Sci., U.S.A.*, **74**: 5269-5273.
- Neish, A.C., 1964. Major pathways of biosynthesis of phenols. In: Harbone J.B. (Ed.), *Biochemistry of phenolic compounds*, Academic Press, New York.
- Novruzov, E.N., 1998, Anthocyanins of *Phytolacca americana*, *Chem. Natura. Comp.*, **34(4)**: 512-513.
- Nowicke, J.W., 1969. Palynotaxonomic study of the Phytolaccaceae., *Ann. Missouri Bot. Gard*, **55(3)**: 294-363.
- Oh, B.J., Frederiksen, R.A. and Magill, E.W., 1994. Identification of molecular markers linked to head smut resistance gene (Shs) in *Sorghum* by RFLP and RAPD analysis, *Phytopathol*, **84**: 830-833.
- Orozco, C.C., Chalmers, K.J., Waugh, R. and Powell, W., 1994. Detection of genetic diversity and selective gene introgression in coffee using RAPD markers, *Theor. Appl. Genet.*, **87**: 934-940.
- Owners, R., Bruening, G. and Shepherd, R., 1973. A possible mechanism for the inhibition of plant viruses by a peptide from *Phytolacca americana*, *Virology*, **56**: 390-393.
- Pacheco, A.O., Fernandez, C.G., Corria, A.A. and Fonseca, Y.G., 2006. Anti-inflammatory activity of the soft extract and ointments of *Petiveria alliacea* L., in rats, *Pharmacologyonline*, **3**: 683-689.
- Page, D., Deldelos, B., Aubert, G., Bonvent, J.F. and Declas, G.M., 1997. Sclerotinia rot resistance in red clover: Identification of RAPD markers using bulk segregant analysis, *Plant. Breed.*, **116**: 73-78.

- Parente, A., De Luca, P., Bolognesi, A., Barbieri, L., Battelli, M.G., Abbondanza, A. and Sande, M.J.W., 1993. Purification and partial characterization of single-chain ribosome-inactivating proteins from the seeds of *Phytolacca dioica* L., *Biochem. Biophys. Acta*, **1216**: 43-49.
- Parente, A., Conforto, B., Antino D. M., Chambery, A., Paolo, C., Bolognesi, A., Iriti, M., and Faoro, R., 2008. Type-1 ribosome-inactivating proteins from *Phytolacca dioica* L. leaves: differential seasonal and age expression, and cellular localization, *Planta*, **228**: 963-975.
- Parente, A., De Luca, P., Bolognesi, A., Barbieri, L., Battelli, M.G., Abbondanza, A., Sande, M.J., Gigliano, G.S., Tazzari, P.L. and Stirpe, F., 1993. Purification and partial characterization of single-chain ribosome-inactivating proteins from the seeds of *Phytolacca dioica* L., *Biochem. Biophys. Acta*, **1216**: 43-49.
- Park, S.H., 1995. Unrecorded naturalized species in Korea, *Kor. J. Species. Tax.*, **25**: 123-130.
- Park, Y. M., Park, B.J. and Choi, K.R., 1999. pH changes in the rhizosphere soil of *Phytolacca americana*, *Kor. J. Ecol.*, **22**: 7-11.
- Parkhurst, R.M., Thomas, D.W., Skinner, W.A. and Cary, L.W., 1974. Molluscicidal saponins of *Phytolacca dodecandra*: Lemmatoxin, *Can. J. Chem.*, **52**: 702-705.
- Peixoto, P.V., Woulers, R. and Lemos, R.A., 1997. *Phytolacca decandra* poisoning in sheeps in Southern Brazil, *Vet. Hum. Toxicol*, **39**: 302-303.
- Perez-Leal, R., Garcia-Mateos, M.R., Vasquez-Rojas, T.R. and Colinas-Leon, M.T., 2005. Allelopathic potential of *Petiveria alliacea* L., *Argon. Sustain. Dev.*, **25**: 177-182.
- Peterson, A.H., Brubaker, C.L. and Wendel, J.F., 1993. A rapid method for extraction of cotton (*Gossypium Spec.*) genomic DNA suitable for RELP or PCR analysis, *Plant Mol. Biol. Rep.*, **11**: 122-127.
- Phipper, W.B., Kresovich, S., Candelas, F.G. and McFerson, J.R., 1997. Molecular characterisation can quantify and partition variation among gene bank holding: A case study with phenotypically similar accessions of *Brassic oleracea*, *Theor. Appl. Genet.*, **94(2)**: 227-234.
- Plummer, D.T., 1988. *An Introduction to practical biochemistry*, 3rd ed., Tata McGraw-Hill Company, New Delhi.

- Powell, W., Morgante, M., Andre, C., Hanafey, M., Vogel, J. and Tingey, S., 1996. The comparison of RELP, RAPD, AFLP and SSR (microsatellite) markers for germplasm analysis, *Mol. Breed*, **2**: 225-238.
- Rajasegar, G., Tan, H.T.W., Turner, I.M. and Kumar, P.P., 1997. Analysis of genetic diversity among *Ixora* cultivars (Rubiaceae) using random amplified polymorphic DNA, *Ann. Bot.*, **80**: 355-361.
- Raskin, I., Smith, R.D. and Salt, D.E., 1997. Phytoremediation of metals using plants to remove pollutants from the environment, *Curr. Opin. Biotechnol.*, **8**: 221-226.
- Ratnaparkhe, M.B., Gupta, V.S., Ven, M.R. and Ranjekar, P.K., 1995. Genetic fingerprinting of pigeon peas [*Cajanus cajan* (L.) Mill. sp.] and its wild relatives using RAPD markers, *Theor. Appl. Genet.*, **91**: 893-898.
- Razdan, T.K., Harkar, S., Kachroo, V. and Koul G.L., 1982. Phytolaccanol and epiacetyl aleuritolic acid, two triterpenoids from *Phytolacca acinosa*, *Phytochemistry*, **21**: 2339.
- Rendle, A.B., 1956. *The classification of flowering plants, Vol.2: Dicotylendons*, Cambridge University Press, New York.
- Rettig, J.H., Wilson, H.D. and Manhart J., 1992. Phylogeny of the Caryophyllales – gene sequence data., *Taxon.*, **41**: 201-209.
- Robert, K.M., Daryl, K.G., Peter, A.M. and Victor, W.R., 1993. *Harper's biochemistry, 23rd ed.*, Prentice Hall International, London.
- Rodman, J.E., 1994. Cladistic and phenetic studies. In: Behnke H.D. and Mabry T.J. (Eds.). *Caryophyllales: Evolution and systematics*, Springer, Heidelberg, Berlin.
- Rogers, G.K., 1985. The genera of the Phytolaccaceae in Southeastern United States, *J. Arnold. Arbor.*, **66**: 1-39.
- Rohlf, F. J., 1993. *NTSYS-pc, numerical taxonomy and multivariate analysis system, Version 1.80*, Exeter software, New York.
- Rohlf, F.J., 1998. *NTSYS-pc, numerical taxonomy and multivariate analysis system, Version 2.0*, Exeter software, New York.
- Sadasivam, S. and Manikkam, A., 1992. *Biochemical methods for agricultural science*, Wiley Eastern Ltd., New Delhi.

- Salentij, E.M.J., Arens-de, M.J.B., Reuver, W., Lange, T.S.M., deBock, W.J., Stiekema, R.M. and Klein, L., 1995. Isolation and characterization of RAPD based markers linked to the beet cyst nematode resistance locus (9Hs/pat-1) on chromosome I of *Brasica patellaris*, *Theor. Appl. Genet.*, **90**: 885-891.
- Salisbury, E.J., 1927. On the causes and ecological significance of stomatal frequency with special reference to woodland flora, *Philos. Trans. R. Soc. Land. Ser. B. Biol. Sci.*, **216**: 1-65.
- Santapau, H. and Henry, A.N., 1972. *The families of flowering plants*, 3rd ed., Oxford University Press, Oxford.
- Santen, E.V. and Casler, E.V., 1986. Evaluation of indirect ploidy indicators in *Dactylis subspecies*, *Crop. Sci.*, **26**: 848-852.
- Sauer, J.D., 1952. A geography of pokeweed, *Ann. Mo. Bot. Garden*, **39**: 113-125.
- Sauer, J.D., 1950. Pokeweed, an old American herb, *Miss. Bot. Gard. Bull.*, **38**: 82-88.
- Schnell, R.J. and Knight, R.J., 1993. Genetic relationships among *Mangifera* spp. based on RAPD markers, *Acta Hortic.*, **341**: 86-92.
- Semagn, K., Asmund, B. and Brita, S., 2003. Genetic diversity and differentiation in Ethiopian populations of *Phytolacca dodencandra* as revealed by ALEP and RAPD analysis, *Gene. Res. Crop Evol.*, **50**: 649-661.
- Semagn, K., Bjornstad, A., Stedjie, B. and Beklele, E., 2000. Comparison of multivariate methods for the analysis of genetic resources and adaptation in *Phytolacca dodecandra* using RAPD, *Theor. Appl. Genet.*, **101**:1145-1154.
- Semagn, K., Brita S. and Asmund, B., 2004. Patterns of Phenotypic variation in endod (*Phytolacca dodencandra*) from Ethiopia, *Afr. Jour. of Biotech.*, **3(1)**: 32-39.
- Semagn, K., Stedje, B., and Bjornstad, A., 2001. Analysis of genetic diversity and structure in Ethiopian populations of *Phytolacca dodecandra* using RAPD, *Hereditas*, **135**: 51-60.
- Shao, F., Hu, Z., Xiong, Y.M., Huang Q.Z., Wang, C.G., Zhu, R.H. and Wang, D.C., 1999. A new antifungal peptide from the seeds of *Phytolacca americana* : Characterisation, amino acid sequence and eDNA cloning, *Biochem, Biophys. Acta*, **1430**: 262-268.

- Sigrid, S. and Willi, S., 2008. Esculentoside S: A new saponin from the leaves of *Phytolacca acinosa*, *Natural Product Res.*, **2**: 1057-5634.
- Sivarajan, V.V. and Indu, B., 1987. In pursuit of new herbal sources for Indian medicine, *Ancient. Sci. Life*, **7(1)**: 39-44.
- Slacanin, I., Marston, A. and Hostettmann, K., 1988. High-performance liquid chromatographic determination of molluscicidal saponins from *Phytolacca dodecandra* (Phytolaccaceae), *J. Chromatorgr.*, **448**: 265.
- Smith, J.J., Scott-Craig, J.S., Leadbetter, J.R., Bush, G.L., Roberts, D.L. and Fulbright, D.W., 1994. Characterization of random amplified polymorphic DNA (RAPD) products from *Xanthomonas campestris* and some comments on the use of RAPD products in phylogenetic analysis, *Mol. Phyl. Evol.*, **3**: 135-145.
- Speckman, G., Post, J.J.J., Dijkstra, H., 1965. The length of stomata as an indicator of polyploidy in rye grass, *Euphytica*, **14**: 225-230.
- Spielman, A. and Lemma, A., 1973. Endod extract: A plant derived molluscicide: Toxicity for mosquitoes, *Am. J. Trop. Med. Hyg.*, **22**: 802.
- Sriwanthana, B., Treesangsri, W., Boriboontrakal, B., Niumsukul, S. and Chavalittunorong, P., 2007. *In vitro* effects on Thai medicinal plants on human lymphocyte activity, *Songklanakarin J. Sci. Technol.*, **29(1)**: 17-28.
- Stanley, O.A., Florence, C.N., David, D.A., Gloria, A.A., Sunday, D., Kazeem, S.I., Mathew, D., Patrick, E.C.N., Carls, W. and Karynius, G., 2005. Toxicity studies in rats fed nature cure bitters, *Afr. J. Biotechnol.*, **4(1)**: 72-78.
- Steinmetz, E.F., 1960. *Phytolacca americana*, *Acta. Phytotherapeutica*, **7**: 168-187.
- Steven, J., Louis, P., Ronse, D. and Erik, S., 2000. On the wood and stem anatomy of *Monococcus echinophorus* (Phytolaccaceae), *Syst. Geogr. Pl.*, **70(1)**: 171-179.
- Stolzenberg, S.J., Parkhurst, R.M., 1976. Blastocidal and contraceptive actions by an extract and compounds from endod (*Phytolacca dodecandra*), *Contraception*, **14**: 39-51.

- Storie, G.J., McKenzie, R.A. and Fraser, I.R., 1992. Suspected packalacca (*Phytolacca dioica*) poisoning in cattle and chicken, *Aust. Vet. J.*, **69**: 21-22.
- Suga, Y., Muruyama, Y., Kawanishi, S. and Shoji, J., 1978. Studies on the structure of phytolacca-saponin B, E and G from the roots of *Phytolacca americana* L., *Chem. Pharm. Bull.*, **26**: 520.
- Tan, G.Y. and Dunn, G.M., 1973. Relationship of stomatal length and frequency and pollen grain diameter to ploidy level in *Bromus linermis*, *Crop, Sci.*, **13**: 322-334.
- Tanigawa, M., Yamagami, T. and Funatsu, G., 1995. The complete amino acid sequence of chitinase-B from the leaves of pokeweed (*Phytolacca americana*), *Biosci. Biotechnol. Bichem.* **5**: 841-847.
- Taylor, B. And Powell, A., 1982. Isolation of plant DNA and RNA, *BRL Focus*, **4(3)**: 4-6.
- Thilborg, S.T., Christensen, S.B., Cornett, C., Olsen, E. and Lemmich, E., 1993. Molluscicidal saponins from *Phytolacca dodecandra*, *Phytochemistry*, **32**: 1167-1171.
- Thilborg, S.T., Christensen, S.B., Cornett, C., Olsen, E. and Lemmich, E., 1994. Molluscicidal saponins from a Zimbabwean strain of *Phytolacca dodecandra*, *Phytochemistry*, **36**: 753-759.
- Thomann, C.E., Ferreira, M.E., Camargo, L.E.A., Tivarng, J.G. and Osborn, T.C., 1994. Comparison of RFLP and RAPD markers for estimating genetic relationships within and among cruciferous species, *Theor. Appl. Genet.*, **87(8)**: 909-915.
- Tinker, N.A., Fortin, M.G. and Mather, D.E., 1993. Random amplified polymorphic DNA and pedigree relationships in spring barley, *Theor. Appl. Genet.*, **85**: 976-984.
- Toole, E.H. and Brown E., 1946. Final results of the Duvel buried seed experiment, *Jour. Agr. Res.*, **72**: 201-210.
- Varghese, J.P., 1998. *Molecular approaches to crop improvement*, Udaya Press, Kottayam.
- Varghese, Y.A., 1992. Germ plasm resources and genetic improvement. In M.R. Sethuraj and N.M. Mathew (Ed.), *Development in crop sciences 23, Natural rubber: Biology, cultivation and technology*, Elsevier, Cambridge.

- Varghese, Y.A., Knaak, C., Sethuraj, M.R. and Ecke, W., 1997. Evaluation of random amplified polymorphic DNA (RAPD) markers in *Hevea brasiliensis*, *Plant Breed*, **116**: 47-52.
- Wallis, T.E. and Forsdike, J.L., 1938. Palisade ratio value for detecting certain adulterants of Belladonna leaf and *Solanum nigrum*, *Q.J. Phrm. Pharmac.*, **11**: 700-708.
- Wallis, T.E., 1985. *Text Book of pharmacognosy*, C.B.S. Publishers, New Delhi.
- Walter, H., 1909. Phytolaccaceae, *Pflanzenreich IV*, **83(39)**: 1-154.
- Watson, J.C. and Thompson, W.F., 1986. Purification and restriction endonuclease analysis of plant nuclear DNA, *Methods Enzymol*, **(118)**: 57-75.
- Waxdal, M., 1974. Isolation, characterization and biological activities of five mitogens from pokeweed, *Biochem.*, **13**: 3671-3677.
- Webster, S.A., Mitchell, S.A., Gallimore, W.A., Williams, L.A.D. and Ahmead, M.H., 2008. Biosynthesis of Dibenzyl Trisulfide (DTS) from somatic embryos and rhizogenous/embryogenic callus derived from Guinea hen weed (*Petiveria alliacea* L.) leaf explants. *In vitro Cell.Dev. Biol. Plant*, **44**: 112-118.
- Welsh, J. and McClelland, M., 1990. Fingerprinting genomes using PCR with arbitrary primers, *Nucleic Acid Res.*, **18**: 7213-718.
- Welsh, J., Honeycutt, R.J., McClelland, M. and Sorbal, B.W.S., 1991. Percentage determination in maize hybrids using arbitrarily primed polymerase chain reaction (AP-PCR), *Theor. Appl. Genet.*, **82**: 473-476.
- Werner, G., 2001. Proposal to conserve the name *Trichotigma* against *Villamillia* (Phytolaccaceae), *Taxon*, **50(3)**: 933-935.
- Wheat, D., 1977. Successive cambia in the stem of *Phytolacca dioica*, *Amer. J. Bot.*, **64**:1209-1217.
- Wilde, J., Waugh, R. and Powell, W. 1992. Genetic fingerprinting of *Theobroma* clones using randomly amplified polymorphic DNA markers, *Theory Appl. Genet.*, **83**: 871-877.
- Williams, J.G., Kubelik, A.R., Kenneth, J.L., Rafalski, J.A., and Scott, V.T., 1990. DNA polymorphism amplified by arbitrary primers are useful as genetic markers, *Nucleic Acid Res.*, **18**: 6531-6535.

- Williams, L.A.D., The, T.L., Gardener, M.T., Fletcher, C.K., Naravane, A., Gibbs, N. and Fleishacker, R., 1997. Immuno-modulatory activities of *Petiveria alliacea* L., *Phytother. Res.*, **11**: 251-253.
- Williamson, V.M., Ho, J.Y., Wu, F., Miller, N. and Kaloshian, I., 1994. A PCR-based marker tightly linked to the nematode resistance gene Mi in tomato, *Theor. Appl. Genet.*, **87**: 757-763.
- Willis, J.C., 1966. *A dictionary of the flowering plants and ferns*, 7th ed., Cambridge University Press, London.
- Willis, J.C., 1973. *A dictionary of the flowering plants and ferns*. 8th ed., Cambridge University Press, London.
- Woo, W.S. and Kang, S.S., 1977. The structure of phytolaccoside A., *J. Pharm. Soc. Korea*, **21**: 159.
- Woo, W.S. and Kang, S.S., 1985. Triterpenoids and sterols from seeds of *Phytolacca esculenta*, *Phytochemistry*, **24**: 1116.
- Woo, W.S. and Wagner, H., 1977. 3-Acetylaleuritolic acid from the seeds of *Phytolacca americana*, *Phytochemistry*, **16**: 1845.
- Woo, W.S., Kang, S.S., Seligmann, O., Chari, V.M. and Wangner, H., 1980. The structure of new lignans from the seeds of *Phytolacca americana*, *Tetrahedron Lett.*, 4225.
- Woo, W.S., Kang, S.S., Selingmann, O. and Wagner, H., 1982. Acetonylidene Americanin A., an aretefact isolated from *Phytolacca americana*, *Arch. Pharm. Res.*, **5(1)**: 1-5.
- Woo, W.S., Kang, S.S., Yamasaki, K. and Tanaka, O., 1978. Carbon-13 NMR Spectra of Phytolaccagenin and its glycosides, *Arch. Pharma. Res.*, **1(1)**: 21-25.
- Wu, H.C., 2007. The phenolic 3, 4 – dihydroxy benzoic acid is an endgenot regulator of rooting in *Protea cynaroides*, *Plant growth regu.*, **21(5)**: 159-167.
- Xianghua, X., Jiuan S., Xincui, C., Yingxu, C., and Tiandou, H., 2009. Chemical forms of manganese in the leaves of manganese hyperaccumulator *Phytolacca acinosa* Roxb (Phytolaccaceae), *Plant Soil*, **318**: 197-204.
- Xu, X.H., Shi, J.Y., Chen, Y.X., Chen, X.C., Wang, H. and Perera, A., 2006. Distribution and mobility of manganese in hyperaccumulator plant

- Phytolacca acinosa* Roxb. (Phytolaccaceae), *Plant Soil*, **323**: 323-331.
- Xue, S.G., Chen, Y.X., Baker, A.J.M., Reeves, R.D., Xu, D. H. and Lin, Q., 2005. Manganese uptake and accumulation by two populations of *Phytolacca acinosa* Roxb. (Phytolaccaceae), *Water Air Soil. Pollut.*, **160**: 3-14.
- Xue, S.G., Chen, Y.X., Reeves, R.D., Baker, A.J.M., Lin, Q. and Fernando, D., 2004. Manganese uptake and accumulation by the hyper accumulator plant *Phytolacca acinosa* Roxb. (Phytolaccaceae), *Environ. Pollut.*, **131**: 393-399.
- Yang, X. and Quiros, C., 1993. Identification and classification of celery cultivars and RAPD markers, *Theor. Appl. Genet.*, **86**: 205-212.
- Ye, M., Li, J.T., Tian, S.N., Hu, M., Yi, S. and Liao, B., 2009. Biogeochemical studies of metallophytes from four copper-enriched sites along the Yangtze river, China, *Environ. Geol.*, **56**: 1313-1322.
- Yeh, F.C. and Boyle, T., 1998. *POPGENE: Population genetics analysis software, Version 1.31.*, University of Alberta, Canada.
- Yingfang, L., Jingchu, L., Chunyu, X., Fucheng, R., Cheng, P., Guangyao, W., and Jindong, Z., 2000. Purification, characterization and molecular cloning of the gene of a seed-specific antimicrobial protein from pokeweed, *Plant Physiol.*, **122**: 1015-1024.
- Yokoyama, K., Yano, O., Terao, T. and Osawa, T., 1976. Purification and biological activities of pokeweed (*Phytolacca americana*) mitogens, *Biochem. Biophys. Acta*, **427**: 443-452.
- Yong, O., Kim, J., Johnson, D. and Lee, E.J., 2005. Phytotoxic effects and chemical analysis of leaf extracts from three Phytolaccaceae species in South Korea, *Jour. Chem. Ecol.*, **31(5)**: 1-4.
- Youji, O., Kaoru T., Eisuke, S. and Haruo, O., 2008. Antioxidant activity of the new thiosulfinate derivative, S-benzyl phenyl methane thiosulfinate, from *Petiveria alliacea* L., *Org. Bio. Chem.*, **6**: 1097-1102.
- Zhang, L., Sun, F. and Zhang, Y., 1994. The influence of chemical modification on antiviral (CB5) activity of polysaccharide from *Pleurotus citrinopileatus*, *Sheng. Wu. Huaxue Zazhi*, **10**: 150-154.

Zhu, J., Gale, M.D., Quarrie, S., Jackson, M.T. and Bryan, G.J., 1998.
AELP markers for the study of rice biodiversity, *Theor. Appl. Genet.*,
96: 602-611.