

REFERENCES

- Aguilar, M-I., 2004, Reversed-phase high-performance liquid chromatography, in Aguilar, M-I. (Ed), *Methods in molecular biology, vol. 251, HPLC of peptides and proteins: Methods and Protocols*, Humana Press Inc., Totowa, 9-22.
- ¹Aldridge, D. C., Giles D., Turner W. B., 1971, Metabolites of *Lasiodiplodia theobromae*, *J. Chem. Soc., C*, 1623-1627.
- ²Aldridge, D. C., Giles D., Turner W. B., 1971, Antibiotic 1233A: a fungal β -lactone, *J. Chem. Soc., C*, 3888-3891.
- Arnone, A., Assante G., Nasini G., De Pava O. V., 1990, Chrysanthones B and C, secondary metabolites produced by the fungus *Ascochyta chrysanthemi*, *Phytochemistry*, 8, 2499-2502.
- Bashyal, B. P., Wellensiek B. P., Ramakrishnan R., Faeth S.H., Ahmad N., Gunatilaka A. A. L., 2014, Altertoxins with potent anti-HIV activity from *Alternaria tenuissima* QUE1Se, a fungal endophyte of *Quercus emoryi*, *Bioorganic and Medicinal Chemistry*, 22, 6112-6116.
- Berdy, J., 2012, Thoughts and facts about antibiotics: Where we are now and where we are heading, *The Journal of Antibiotics*, 65, 385-395.
- Buayairaksa, M., Kanokmedhakul S., Kanokmedhakul K., Moosophon P., Hahnvajjanawong C., Soyong K., 2011, Cytotoxic lasiodiplodin derivatives from the fungus *Syncephalastrum racemosum*, *Arch. Pharm. Res.*, 34, 2037-2041.
- Chen, H., Daletos G., Abdel-Aziz M. S., Thomy D., Dai H., Brotz-Oesterhelt H., Lin W., Proksch P., 2015 Inducing secondary metabolite production by soil-dwelling fungus *Aspergillus terreus* through bacterial co-culture, *Phytochemistry Letters*, 12, 35-41.
- Chen, S., Liu Z., Li H., Xia G., Lu Y., He L., Huang S., She Z., 2015, β -Resorcylic acid derivatives with α -glucosidase inhibitory activity from *Lasiodiplodia* sp. ZJ-HQ₁, an endophytic fungus in the medicinal plant *Acanthus ilicifolius*, *Phytochemistry*, 13, 141-146.
- Chen, X., Shi Q., Lin G., Guo S., Yang J., 2009, Spirobisnaphthalene analogues from the endophytic fungus *Preussia* sp., *J. Nat. Prod.*, 72, 1712-1715.
- Chexal, K. K., Fouweather C., Holker J. S. E., Simpson T. J., Young K., 1974, The biosynthesis of fungal metabolites. Part III. Structure of shamixanthone and tajixanthone, metabolites of *Aspergillus variegator*, *J. Chem. Soc. Perkin I*, 1584-1593.

- Chexal, K. K., Holker J. S., Simpson T. J., 1975, The biosynthesis of fungal metabolites. Part IV. Structure and biosynthesis of some minor metabolites from variant strains of *Aspergillus variegator*, *J. Chem. Soc. Perkin I*, 549-554.
- Chiang, Y-C. P., Yang S. S., Heck J. V., Chabala J. C., Chang M. N., 1989, Total synthesis of L-659,699, a novel inhibitor of cholesterol biosynthesis, *J. Org. Chem.*, 54, 5708-5712.
- Cragg G. M., Newman D. J., 2013, Natural products: A continuing source of novel drug leads, *Biochimica et Biophysica Acta*, 1830, 3670-3695.
- El-Nakeeb M. A., Lechevalier H. A., 1963, Selective isolation of aerobic actinomycetes, *App. Microbiol.*, 11, 75-77.
- Fredimoses, M., Zhou X., Lin X., Tian X., Ai W., Wang J., Liao S., Liu J., Yang B., Yang X., Liu Y., 2014, New prenylxanthone from deep-sea derived fungus *Emericella* sp. SCSIO 05240, *Mar. Drug*, 12, 3190-3202.
- Gupta, M.M., Shanker K., 2008, Process-scale high performance liquid chromatography for medicinal and aromatic plants, in Handa S. S., Khanuja S. P. S., Longo G., Rakesh D. D. (Eds), *Extraction technologies for medicinal and aromatic plants*, International Centre for Science and High Technology, Trieste, 181-193.
- Harvey, David, 2000, Modern analytical chemistry, The McGraw-Hill Companies, Inc., Boston.
- Holler, U., Wright A. D., Matthee G. F., Konig G. M., Draeger S., Aust H-J., Schulz B., 2000, Fungi from marine sponges: diversity, biological activity and secondary metabolites, *Mycol. Res.*, 104 (11), 1354-1365.
- Hong, J., 2011, Role of natural product diversity in chemical biology, *Current Opinion in Chemical Biology*, 15, 15350-153364.
- Isaka, M., Palasarn S., Lapanun S., Chanthaket R., Boonyuen N., Lumyong S., 2009, γ -lactones and *ent*-eudesmane sesquiterpenes from the endophytic fungus *Eutypella* sp. BCC 13199, *J. Nat. Prod.*, 72, 1720-1722.
- Kumaran, R. S., Kim H. J., Hur B-K., 2010, Taxol promising fungal endophyte, *Pestalotiopsis* species isolated from *Taxus cuspidate*, *Journal of Bioscience and Bioengineering*, 110 No. 5, 541-546.
- Kruger, G. J., Steyn P. S., Vleggar R., Rabie C. J., 1979, X-ray crystal of Asteltoxin, a novel mycotoxin from *Aspergillus stellatus curzi*, *J. Chem. Soc., Chem. Commun.*, 441-442.

- Li, G., Kusari S., Lamshoft M., Schuffler A., Laatsch H., Spiteller M., 2014. Antibacterial secondary metabolites from an endophytic fungus, *Eupenicillium* sp. LG41, *J. Nat. Prod.*, 77, 2335-2341.
- Malins, D. C., Wekell J. C., 1963, TLC—Versatile tool, *Journal of Chemical Education*, 40 (10), 531-534.
- Malmstrom J., Christophersen C., Barrero A. F., Oltra J. E., Justicia J., Rosales A., 2002, Bioactive metabolites from a marine-derived strain of the fungus *Emericella varicolor*, *J. Nat. Prod.*, 65, 364-367.
- Morens, D. M., Folkers, G. K., Fauci A. S., 2004, The challenge of emerging and re-emerging infectious diseases, *Nature*, 430, 242-149.
- Pelaez, F., 2006, The historical delivery of antibiotics from microbial natural products—Can history repeat?, *Biochemical Pharmacology*, 71, 981-990.
- Pompakakul, S., Liangsakul J., Ngamrojanavanich N., Roengsumran S., Sihanonth P., Piapukiew J., Sangvichien E., Puthong S., Petsom A., 2006, Cytotoxic activity of four xanthenes from *Emericella varicolor*, an endophytic fungus isolated from *Croton oblongifolius*, *Arch. Pharm. Res.*, 29 (2), 140-144.
- Pudhom, K., Teerawatananon T., 2014, Rhytidenones A-F, spirobisanaphthalenes from *Rhytidhysterion* sp. AS21B, an endophytic fungus, *J. Nat. Prod.*, 77, 1962-1966.
- Raistrick H., Smith G., 1935, Studies in the biochemistry of microorganisms, The metabolic products of *Aspergillus terreus* Thom. a new mould metabolic product—terrein, *Biochem. J.*, 29(3), 606-611.
- Richardson, S. N., Nsiama T. K., Walker A. K., McMullin D. R., Miller J. D., 2015, Antimicrobial dihydrobenzofurans and xanthenes from a foliar endophyte of *Pinus strobus*, *Phytochemistry*, 117, 436-443.
- Rukachaisirikul, V., Sommart U., Phongpaichit S., Sakayaroj J., Kirtikara K., 2008, Metabolites from the endophytic fungus *Phomopsis* sp. PSU-D15, *Phytochemistry*, 69, 783-787.
- Satre, M., 1981, The effect of asteltoxin and citreomontanine, two polyenic α -pyrone mycotoxins, on *Escherichia coli* adenosine triphosphatase, *Biochem. Biophys. Res. Commun.*, 100, 267-274.
- Schulz, B., Wanke U., Draeger S., Aust H-J., 1993, Endophytes from herbaceous plants and shrubs: effectiveness of surface sterilization methods, *Mycol. Res.*, 97 (12), 1447-1450.

- Schulz B., Boyle C., Draeger S., Rommert A-K., 2002, Endophytic fungi: Source of novel biologically active secondary metabolites, *Mycol. Res.*, 106 (9), 996-1004.
- Shiono, Y., Hayasaka S., Murayama T., Koseki T., Uesugi S., Kimura K., 2012, A polyketide metabolite from the fungicolous *Nodulisporium* sp. SH-1, *Phytochemistry Letters*, 5, 549-552.
- Spainhour, C. B., 2005, Natural products, in Gad S. C. (Eds), *Drug discovery handbook*, John Wiley & Sons, Inc., New Jersey, 11-72.
- Stone, J. K., Polishook J. D., White J. F., 2004, Endophytic fungi, in Mueller G. M., Bills G. F., Foster M. S. (Eds), *Biodiversity of fungi*, Elsevier Academic Press, California, 241-270.
- Strobel, G. A., 2003, Endophytes as sources of bioactive products, *Microbes and Infections*, 5, 535-544.
- Tansuwan, S., Pompakakul S., Roengsumran S., Petsom A., Muangsin N., Sihanonta P., Chaichit N., 2007, Antimalarial benzoquinones from an endophytic fungus, *Xylaria* sp., *J. Nat. Prod.*, 70, 1620-1623.
- Tomlinson, I., 2013, Doubling food production to feed the 9 billion: a critical perspective on a key discourse of food security in UK, *Journal of Rural Studies*, 29, 81-90.
- VanderMolen K. M., Raja H. A., El-Elimat T., Oberlies N. H., 2013, Evaluation of culture media for the production of secondary metabolites in natural products screening program, *AMB Express*, 3:71.
- Xu, L., He Z., Xue J., Chen X., Wei X., 2010, β -Resorcylic acid lactones from a *Paecilomyces* fungus, *J. Nat. Prod.*, 73, 885-889.
- Yan J. F., Broughton S. J., Yang S. L., Gange A. C., 2015, Do endophytic fungi grow through their host systematically?, *Fungal Ecology*, 13, 53-59.