

## เอกสารอ้างอิง

- รัตนกรณั ศรีวิบูลย์. 2549. แอคติโนมัซซีท. ชลบุรี: สถาบันวิทยาศาสตร์ทางทะเล มหาวิทยาลัยบูรพา. 100 หน้า
- Adinarayana, G., Venkateshan, M.R., Bpiraju, V.V., Sujatha, P., Premkumar, J., Ellaiah, P., Zeeck, A. 2006. Cytotoxic compounds from the marine actinobacterium. *Bio Org Khim.*, 32, 328–334.
- Aizuddin, M.A.B., Athena, N.T. and Kui, W.N. 2013. Antioxidant and antimicrobial properties of marine Actinomycetes from Sipadan Island, Sabah. *Int J Biol Chem Sci.*, 7(2):750-759.
- Alessandra, B., Chandra, S., Matteo, P., Ivano, M, Jeannette, M. 2002. Antioxidant activity of flavonoids from *Licania licaniaeflora*. *Journal of Ethnopharmacology*, 79:379-381.
- Aparicio, J.F., Caffrey, P., Gil, J.A., Zotchev, S.B., 2003. Polyene antibiotic biosynthesis gene clusters. *Appl. Microbiol. Biotechnol.* 61, 179–188.
- Arumugam, M., Mitra, A., Jaisankar, P., Dasgupta, S., Sen, T., Gachhui, R., Mukhopadhyay, U.K., Mukherjee, J. 2010. Isolation of an unusual metabolite 2-allyloxyphenol from a marine actinobacterium, its biological activities and applications. *Appl Microbiol Biotechnol.*, 86: 109–117.
- Asolkar, R.N., Jensen, P.R., Kauffman, C.A. and Fenical, W. 2006. Daryamides A-C weakly cytotoxic polyketides from a marine derived actinomycete of the genus *Streptomyces* strain CNQ-085. *J Nat Prod.*, 69, 1756–1759.
- Atta, H.M. 2015. Biochemical studies on antibiotic production from *Streptomyces* sp.: Taxonomy, fermentation, isolation and biological properties. *Journal of Saudi Chemical Society* (2015) 19, 12–22.
- Behal, V. 2003. Alternative sources of biologically active substance. *Folia. Microbiol* (Paraha). 48(5): 563-571.
- Berdy, JC. 1995. Bioactive microbial metabolites. *J. Antibiot.* 58:1-28
- Bhatnagar, I. and Kim, S-K. 2010. Immence essence of excellence: Marine microbial bioactive compounds. *Marine Drugs*, 8(10), 2673-2701.
- Boudemagh, A., Kitouni, M., Boughachiche, F., Hamdiken, H., Oulmi, L., Reghioia, S., Zerizer, H., Couble, A., Mouniee, D., Boulahrouf, A. and Boiron, P. 2005. Isolation and molecular identification of actinomycete microflora, of some saharian soils of south east

- Algeria (Biskra, EL-Oued and Ourgla) study of antifungal activity of isolated strains. *J. Med. Mycol.* 15:39-44.
- Brand-Williams, W., Cuvelier, M.E., Berset, C., 1995. Use of free radical method to evaluate antioxidant activity. *LebensmittelWissenschaft und Technologie* 28: 25–30.
- Bull, A.T. and Stach, J.E.K. 2007. Marine actinobacteria: new opportunities for natural product search and discovery. *Trend. Microbiol.*, 15: 491-499.
- Cho, J.Y., Kwon, H.C., Williams, P.G., Jensen, P.R. and Fenical, W. 2006. Azamerone, a terpenoid phthalazinone from a marine derived bacterium related to the genus *Streptomyces* (Actinomycetales). *Org. Lett.*, 8, 2471–2474.
- Cho, J.Y.; Williams, P.G.; Kwon, H.C.; Jensen, P.R.; Fenical, W. 2007. Lucentamycins A–D, cytotoxic peptides from the marine-derived actinomycete *Nocardioopsis lucentensis*. *J. Nat. Prod.*, 70, 1321–1328.
- Cotelle, J.A., Bernier, J.L. Catteau, J.B., Pommery, J., Wallet, J.C. and Gaydou, E.M. 1996. Free radical. *Bio. Med.*, 20:35.
- Cross, T. 1970. The diversity of bacterial spores. *J. App. Bacteriol.* 33:36-63.
- Dharmaraj, S., Sumantha, A. 2009. Bioactive potential of *Streptomyces* associated with marine sponges. *World J. Microbiol Biotechnol.*, 25, 1971–1979.
- Dietz A and Mathews J. 1971. Classification of *Streptomyces* spore surface into five groups. *Appl. Microbiol.* 21: 527-533.
- Durân, N., Erazo, S. and Campos, V. 1983. Bacterial chemistry-II: antimicrobial photoproduct from pigment of *Chromobacterium violaceum*. *Anais da Academia Brasileira de Cieñcias* 55, 231-234.
- Durân, N., Melo, P.S. and Haun, M. 1996. *In vitro* evaluation of violacein on AIDS-related lymphoma and human tumor cell lines. In XXV Annual Meetings of the Brazilian Society of Biochemistry and Molecular Biology, pp. 150. Caxambu: Sociedade Brasileira de Bioquímica e Biologia Molecular (SBBq).
- Fang, Y.Z., Yang, S., Wu, G. 2002. Free radicals, antioxidants, and nutrition, *Nutrition*, 18: 872-879.
- Feher, D., Barlow, R.S., Lorenzo, P.S. and Hemscheidt, T.K. 2008. A 2-Substituted Prodiginine, 2-(*p*-Hydroxybenzyl)prodigiosin, from *Pseudoalteromonas rubra*. *J. Nat. Prod.*, 71, 1970–1972.

- Fenglin, H., Ruili, L., Bao, H., and Liang, M. 2004. Free radical scavenging activity of extracts prepared from fresh leaves of selected Chinese medicinal plants. *Fitoterapia*, 75: 14-23.
- Fisher, P.B., Bryson, V., Schaffner, C.P., 1978. Polyene macrolide antibiotic cytotoxicity and membrane permeability alterations. I. Comparative effects of four classes of polyene macrolides on mammalian cells. *J. Cell Physiol.* 97 (3), 345–351.
- Gandhimathi R, Arunkumar M, Selvin J, Thangavelu T, Sivaramakrishnan S, Kiran GS, Shanmughapriya S, Natarajaseenivasan K. 2008. Antimicrobial potential of sponge associated marine Actinobacteria. *J Mycol Med.*, 18,16–22.
- Griffiths, M., Sistrom, W.R., Cohen–Battire, G. and Stanier, R.Y. 1955. Function of carotenoids in photosynthesis. *Nature*, 176 (4495), 1211–1214.
- Halliwell, B., Gutteridge, J.M.C. 1999. Free radicals in biology and medicine, 3<sup>rd</sup> ed., Oxford University Press, Oxford, 1-21.
- Hawas, U.W., Shaaban, M., Shaaban, K.A., Speitling, M., Maier, A., Kelter, G., *et al.* 2009. Mansouramycins A-D, cytotoxic isoquinolinequinones from a marine Streptomyces. *J Nat Prod*, 72:12, 2120–2124.
- Holt, J.G., N.R. Krieg, P.H.A. Sneath, J.T. Staley and S.T. Williams, 1994. Bergey’s Manual of Determinative Bacteriology. 9<sup>th</sup> Edn., Williams and Wilkins, Baltimore, pp: 518-537.
- Kieser, T., Bibb, M.J., Battner, M.J., Chater, K.F., Hopwood, D.A. (2007) In “Practical Streptomyces Genetics” John Innes Centre, Norwick, England.
- Kitouni M, Boudemagh A, Oulmi L, Reghioia S, Boughachiche F, Zerizer H, Hamdiken H, Couble A, Mouniee D, Boulahrouf A, Boiron P (2005). Isolation of actinomycetes producing bioactive substances from water, soil and tree bark samples of the north–east of Algeria. *J. Med. Mycol.* 15:45-51.
- Kumar, P.S., Al-Dhabi, N.A., Veeramuthu Duraipandiyar, V., Balachandran, C., Kumar, P.P. and Ignacimuthu, S. 2014. In vitro antimicrobial, antioxidant and cytotoxic properties of *Streptomyces lavendulae* strain SCA5. *BMC Microbiology*, 14:291
- Lazzarini, A., Cavaletti, L., Toppo, G., Marinelli, F., 2000. Rare genera of Actinomycetes as potential producers of new antibiotics. *Antonie van Leeuwenhoek* 78, 399–405.
- Lechevalier, H.A., Acker, R.F., Corke, C.T., Haenseler, C.M., Waksman, S.A. (1953). Candicidin, a new antifungal antibiotic. *Mycologia*, 45, 155.

- Lechevalier, M.P., Lechevalier, H.A. 1970. Chemical composition as a criterion in the classification of aerobic actinomyceta. *International Journal of Systematic Bacteriology*, 20, 435-444.
- Lichstein, H.C. & Van de Sand, V.F. 1945. Violacein, an antibiotic pigment produced by *Chromobacterium violaceum*. *Journal of Infectious Diseases*, 76, 47-51.
- Liu, G.Y. and Nizet, V. 2009. Color me bad: microbial pigments as virulence factors. *Trends in Microbiology*, 17 (9), 406-413.
- Macherla VR, Liu J, Bellows C, Teisan S, Nicholson B, Lam KS and Potts BCM. 2005. Glaciapyrroles A, B and C pyrrolsesquiterpenes from a *Streptomyces* sp. isolated from an Alaskan marine sediment. *J Nat Prod* 68:780–783.
- Madigan, M.T., Martinko, J.M., Dunlap, P.V. and Clark, D.P. 2009. In “Brock Biology of Microorganism” Twelfth edition. Pearson, Benjamin Cummings, Pearson Education, Inc.
- Malecha, M.A., 2004. Fungal keratitis caused by *Scopulariopsis brevicaulis* treated successfully with natamycin. *Cornea*. 23 (2), 201–203.
- Margalith, P.Z. 1992. *Pigment Microbiology*, Chapman & Hall Publ., London, GB.
- Maskey, R.P., Puseckera, K., Speitlinga, M., Moneckea, P., Helmkeb, E, Laatscha, H. 2002. 200-Chartreusin-monoacetate, a new natural product with unusual anisotropy effects from the marine isolate *Streptomyces* sp. B5525, and its 400-isomer. *Z Naturforsch.*, 57, 823–829.
- May, G., BruÈmmer, B. and Ott, H. 1991. Verfahren zur isolierung von violacein und seine verwendung zur prophylaxe und therapie von viruserkrankungen. Deutsches Patentamt Offenlegungsschrift DE 3,935,066 (CL.C12P17/16), 25 April 1991, Application. 20 October 1989, 5pp.
- Olano, C, Méndez, C., Salas, J.A. 2009. Antitumor compounds from actinomycetes: from gene clusters to new derivatives by combinatorial biosynthesis. *Nat. Prod. Rep.*, 26, 628-660.
- Piel, J: Metabolites from symbiotic bacteria. *Nat Prod Rep* 2009, 26:338-362.
- Porter, J.N. 1971. Prevalence and distribution of antibiotic-producing actinomycetes. *Advances in Applied Microbiology*, 14: 73–92.

- Prajna, N.V., Rao, R.A., Mathen, M.M., Prajna, L., George, C., Srinivasan, M., 2002. Simultaneous bilateral fungal keratitis caused by different fungi. *Indian J. Ophthalmol.* 50 (3), 213–214.
- Revathy, T., Jayasri, M.A; Suthindhiran, K. 2013. Antioxidant and enzyme inhibitory potential of marine streptomycetes. *American Journal of Biochemistry and Biotechnology*, 9(3): 282-290.
- Roberfroid, M. B. and Calderon, P. B. 1995. Free radicals and oxidation phenomena in biological systems. Marcel Dekker. Inc. New York., U.S.A.
- Saurav, K; Kannabiran, K. 2012. Cytotoxicity and antioxidant activity of 5-(2,4 dimethylbenzyl) pyrrolidin-2-one extracted from marine *Streptomyces* VITSVK5 spp. *Saudi Journal of Biological Science*, 19: 81-86.
- Shin, H.J., Kim, T.S., Lee, H.S., Park, J.Y., Choi, I.K., Kwon, H.J. 2008. Streptopyrrolidine, an angiogenesis inhibitor from a marinederived *Streptomyces* spp. KORDI-3973. *Phytochemi*, 69: 2363–2366.
- Sies, H., Stahl, W. and Sundquist, A. 1992. Antioxidant functions of vitamins, vitamin E and C, beta-carotene and other carotenoids. *Annals of the New York Academy of sciences*. 368: 7-19.
- Stevenson, C.S., Capper, E.A., Roshak, A.K., *et al.* 2002. Scytonemin – a marine natural product inhibitor of kinases key in hyperproliferative inflammatory diseases. *Inflammation Research*, 51(2), 112-114.
- Swan, D. G., A. M. Rodriguez, C. Vilches, C. Me´ndez, and J. A. Salas. 1994. Characterisation of a *Streptomyces antibioticus* gene encoding a type I polyketide synthase which has an unusual coding sequence. *Mol. Gen. Genet.* 242:358–362.
- Thenmozhi, M. and Kannabiran, K. 2012. Antimicrobial and antioxidant properties of marine actinomycetes *Streptomyces* sp VITSTK7. *Oxid Antioxid Med Sci* 2012; 1(1):51-57.
- Tresner, H.D., Davies, M.C., Backus, E.J. 1961. Electron microscopy of *Streptomyces* spore morphology and its role in species differentiation. *J. Bact.* 81, 70.
- Valacchi, G. *et al.* 2004. In vivo ozone exposure induces antioxidant stress-related responses in murine lung and skin. *Free Radical Biology and Medicine* 36: 673-681.
- Waksman, S.A. 1967. The actinomycetes. A summary of current knowledge. Ronald Press Co., New York.

Williams, S.T., Goodfellow, M., Alderson, G. 1989. Genus *Streptomyces* Waksman and Henrici 1943, 339AL. In: Williams ST, Sharpe ME, Holt JG (eds.) Bergey's Manual of Systematic Bacteriology, Vol. 4, Williams and Wilkins, Baltimore, 2452-2492.