

DAFTAR PUSTAKA

- Abidin, Z. A. Z., A. J. K. Chowdhury, N. A. Malek, and Z. Zainuddin. 2018. Diversity, antimicrobial capabilities, and biosynthetic potential of mangrove actinomycetes from coastal waters in Pahang, Malaysia. *J. Coast. Res.* 82:174–179
- Adegboye, M., F., and O. O. Babalola. 2013. Actinomycetes: a yet inexhaustive source of bioactive secondary metabolites. Microbial pathogen and strategies for combating them: *sci, tech. and edu*, (A.Mendez-Vila, Ed.). Pp. 786-795
- Adegboye, M. F., and O. O. Babalola. 2015. Evaluation of biosynthesis antibiotic potential of actinomycete isolates to produces antimicrobial agents. *Br. Microbiol. Res. J.* 7(5): 243-254
- Ali, Korany & Hosni, Hanaa & Ragab, Eman & Abd El-Moez, Sherein. 2012. Synthesis and Antimicrobial Evaluation of Some New Cyclooctanones and Cyclooctane-Based Heterocycles. *Archiv der Pharmazie*. 345. 231-9.
- Alongi, D. M. 2012. Carbon sequestration in mangrove forests. *Carb. Manag.* 3(3): 313-322
- Amrita, K., J. Nitin, and C. S. Devi. 2012. Novel bioactive compounds from mangrove derived Actinomycetes. *Int. Res. J. Pharm.* 3(2): 25-29
- Ara, I., M. A Bakir, W. N. Hozzein, and T. Kudo. 2013. Population, morphological and chemotaxonomical characterization of diverse rare actinomycetes in the mangrove and medicinal plant rhizosphere. *Afr. J. Microbiol. Res.* 7(16): 1480-1488
- Arasu, M. V., V. Duraipandiyan, and S. Ignacimuthu. 2013. Antibacterial and antifungal activities of polyketide metabolite from marine *Streptomyces* sp. AP-123 and its cytotoxic effect. *Chemosphere*. 90: 479-487
- Arifuzzaman, M., M. R. Khatun, and H. Rahman. 2010. Isolation and screening of actinomycetes from Sundarbans soil for antibacterial activity. *Afr. J. Biotechnol.* 9(29): 4615-4619
- Atlas, R. M. and R. Bartha. 1998. *Microbial Ecology. Fundamentals and applications*. 4th edition. Benjamin/Cummings Publishing Company, Inc. California
- Attimarad, S. L., G. N Ediga, A. A Karigar, R. Karadi, N. Chandrashekhar. 2012. Screening, isolation and purification of antibacterial agents from marine actinomycetes. *Int. Cur. Pharm. J.* 1(2): 394-402
- Azman, A. S., I. Othman, S. S. Velu, K. G. Chan, and L. H. Lee. 2015. Mangrove rare actinobacteria: taxonomy, natural compound, and discovery of bioactivity. *Front Microbiol.* 6: 856
- Balagurunathan, R., M. M. Selvan, and K. Karthiresan. 2010. Bioprospecting of mangrove rhizosphere actinomycetes from pitchavaram with special reference to antibacterial activity. *J. Pharm. Res.* 3(5): 909-911

- Barka, E.A., P. Vatsa, L. Sanchez, N. Gaveau-Vaillant, C. Jacquard, H-P. Klenk, C. Clément, Y. Ouhdouch, and G. P. van Weze. 2016. Taxonomy, physiology, and natural products of actinobacteria. *Microbiol. Mol. Biol. Rev.* 80(1): 1-43
- Barke, J., R. F Seipke, S. Gruschow, D. Heavens, N. Drou, M. J. Bibb, R. J. M. Goss, D. W. Yu, and M. I. Hutchings. 2010. A mixed community of actinomycetes produce multiple antibiotics for the fungi farming ant *Acromyrmex octospinosus*. *BMC Biology*. 8:109-116
- Barrios-González, J., and A. Mejía. 2008. *Production of antibiotics and other commercially valuable secondary metabolites. Current developments in solid state fermentation*. Heidelberg, New York: Springer. Pp. 302-336
- Baskaran, R., R. Vijayakumar, and P. M. Mohan. 2011. Enrichment method for the isolation of bioactive Actinomycetes from mangrove sediments of Andaman Islands, India. *Malaysian J. Microbiol.* 7(1): 16-32
- Basilio, A., I. Gonzales, M. F. Vicente, J. Gorrochategui, A. Cabello, A. Gonzales, and O. Genilloud. 2003. Patterns of antimicrobial activities from soil actinomycetes isolated under different conditions of pH and salinity. *J Applied Microbiol.* 95(4):814-823
- Bavya, M., P Mohanapriya, R. Pazhanimurugun, and R. Balagurunathan. 2011. Potential bioactive compound from marine actinomycetes against biofouling bacteria. *Ind. J. Geo. Sci.* 40(4): 578-582
- Ben-David, A., & Davidson, C. E. 2014. Estimation method for serial dilution experiments. *J. Microbiol. Meth.* 107: 214-221
- Bhat, M. R and S. Leena. 2013. Isolation and characterization of microorganisms from mangrove soil of CBD Belapur creec, Navi Mumbai, MS India. *Int. J. Environ. Sci.*, 3(6): 2304-2312
- Bonnet, M., Lagier, J. C., Raoult, D., & Khelaifia, S. 2020. Bacterial culture through selective and non-selective conditions: The evolution of culture media in clinical microbiology. *N. Micro. and N. Infect.* 34: 100622
- Bredholt, H., E. Fjaervik, G. Jhonsen, and S. B. Zotchev. 2008. Actinomycetes from Sediments in the Trondheim Fjord, Norway: Diversity and Biological Activity. *Mar. Drugs*. 6(1): 12-24
- Bundale, S., D. Bedge, N. Nashikkar, T. Kadam, and A. Upadhyay. 2015. Optimatization of culture conditions for production of bioactive metabolites by *Streptomyces* spp. Isolated from soil. *Adv. Mirobiol.* 5: 441-451
- Bundale, S., Singh, J., Begde, D., Nashikkar, N., & Upadhyay, A. 2018. Culturable rare actinomycetes from Indian forest soils: Molecular and physicochemical screening for biosynthetic genes. *Iranian J. of Microbiol.* 10(2): 132-142
- Campbell, A., B. Brown, and R. Lewis. 2015. Indonesia's vast mangroves are a treasure worth saving. *Conversation*. <http://theconversation.com/indonesiasvast-mangroves-are-a-treasure-worth-saving-39367>

- Cappuccino, J. G, and N. Sherman. 2011. *Microbiology a laboratory manual. 9th Ed.* Pearson Education, Inc., Pearson Benjamin Cummings, 1301 Sansome St., San Francisco
- Chaudhary, H. S., B. Soni, A. R. Shrivastava, and S. Shrivastava. 2013. Diversity and versatility of actinomycetes and its role in antibiotic production. *J. App. Pharm. Sci.* 3(1): S83-S94
- Das, A., S. Bhattacharya, A.Y. H. Mohammed, and S. S. Rajan. 2014. In vitro antimicrobial activity and characterization of mangrove isolates of *Streptomyces* effective against bacteria and fungi of nosocomial origin. *Braz. Arch. Biol. Technol.* 57(3): 349-356
- Das A, Khosla C. 2009. Biosynthesis of aromatic polyketides in bacteria. *Acc Chem Res.* 42(5): 631-639
- Demeke, C. A., Adinew, G. M., Abebe, T. B., Gelaye, A. T., Gemed, H., & Yimenu, D. K. 2021. Comparative analysis of the effectiveness of narrow-spectrum versus broad-spectrum antibiotics for the treatment of childhood pneumonia. *SAGE Op. Med.* 21(5): 19-24
- Deepthi, M. K., M. S. Sudhakar, and M. N. Devamma. 2012. Isolation and screening of *Streptomyces* sp. from Coringa mangrove soils for enzyme production and antimicrobial activity. *Int. J. Pharm. Chem. Biol. Sci.* 2(1): 110-116
- De Simeis D, Serra S. 2021. Actinomycetes: A Never-Ending Source of Bioactive Compounds-An Overview on Antibiotics Production. *Antibiotics.* 10(5): 483-489
- Dhara, Lena & Tripathi, Anusri. 2013. Antimicrobial activity of eugenol and cinnamaldehyde against extended spectrum beta lactamase producing Enterobacteriaceae by in vitro and molecular docking analysis. *Europe. J of Int. Med.* 5(6): 527-536
- Djamaluddin, R. 2018. The mangrove flora and their physical habitat characteristics in Bunaken National Park, North Sulawesi, Indonesia. *Biodiv.* 19(4):1303-1312
- Djohan, T.S. 2012. Distribution and abundance of mangrove vegetation in the disturbed ecosystem of Segara Anakan, Central Java. *J. Manusia dan Lingkungan.* 19(3): 294-302
- Donadio, S., P. Monciardini and M. Sosio. 2007. Polyketide synthases and nonribosomal peptide synthetases: the emerging view from bacterial genomics. *Nat. Prod. Rep.* 24(5): 1073-1083
- Dong Y, Zhang J, Chen R, Zhong L, Lin X, Feng Y. 2022. Microbial Community Composition and Activity in Saline Soils of Coastal Agro-Ecosystems. *Microorganism.* 10(4): 835-840
- Duncan, J. R and W. W. Metcalf. 2013. Comparative genomics of actinomycetes with a focus on natural product biosynthetic genes. *Genomics.* 14: 611-615
- Evrans AksÖz B, GÜrpınar SS, Eryılmaz M. 2020. Antimicrobial Activities of Some Pyrazoline and Hydrazone Derivatives. *Turk J Pharm Sci.* 17(5): 500-505

- Fukuda, Kazumasa & Ogawa, Midori & Taniguchi, Hatsumi & Saito, Mitsu. 2016. Molecular Approaches to Studying Microbial Communities: Targeting the 16S Ribosomal RNA Gene. *J. of UOEH*. 38(3): 223-227
- Ganesan, T., Subban, M., Christopher Leslee, D.B. 2022. Structural characterization of *n*-hexadecanoic acid from the leaves of *Ipomoea eriocarpa* and its antioxidant and antibacterial activities. *Biomass Conv. Bioref*. 3(5): 321-326
- George, M., A. Anjumol, G. George, and A. A. M. Hatha. 2012. Distribution and bioactive potential of soil Actinomycetes from different ecological habitats. *Afr. J. Microbiol. Res.* 6(10): 2265-2271
- Goel N, Fatima SW, Kumar S, Sinha R, Khare SK. 2021. Antimicrobial resistance in biofilms: Exploring marine actinobacteria as a potential source of antibiotics and biofilm inhibitors. *Biotechnol Rep*. 30: 1-10
- Goldstein, F. W., Ly, A., & Kitzis, M. D. 2007. Comparison of Etest with agar dilution for testing the susceptibility of *Pseudomonas aeruginosa* and other multidrug-resistant bacteria to colistin. *J. of Antimicro. Chem.* 59(5):1039-1040
- Gong, B., S. Chen, W. Lan, Y. Huang, and X. Zhu. 2018. Antibacterial and antitumor potential of actinomycetes isolated from mangrove soil in the Maowei sea of the Southern coast of China. *J. Pharm. Res.* 17(4): 1339-1346
- Goodfellow, M., P. Kampfer, H. J. Busse, M. E. Trujilo, K. I. Suzuki, W. Ludwig, and W. B. Whitman. 2012. *Bergey's Manual of Systematic Bacteriology* 2nd Ed. Vol.5. Springer, New York, USA
- Gulve, R. M., and A. M. Deshmukh. 2012. Antimicrobial activity of marine actinomycetes. *Int. Multidiscip. Res. J.* 2(3):16-22
- Hamid, A. B., S. Ariffin, dan S. A. S Mohamad. 2015. Identification and optimal growth conditions of actinomycetes isolated from mangrove environment. *MJAS*. 19(4): 904-910
- Hana, K., L. Sembiring, dan S. Wahyuono. 2015. *Streptomyces* penghasil antibiotik yang berasosiasi dengan rizosfer beberapa spesies mangrove. *PLASMA*. 1(2):59-70
- Holt, J., Y. Xu, M. K. Sahu, X. P. Tian, G. X. Nie, Q. Xie, S. Zhang, K. Sivakumar, and W. J. Li. 1994. *Actinomadura sediminis* sp., a marine actinomycete isolated from mangrove sediment. *Int. J. Syst. Evol. Microbiol.* 62: 1110-1116
- Huang, X.V., J. M. Chaparro, K. F. Reardon, R. Zhang, Q. Shen, and J. M. Vivanco. 2014. Rhizosphere interactions: root exudates, microbes, and microbial community. *Botany*. 92: 267-275
- Jani, Charul & Tocheva, Elitza & Mcauley, Scott & Craney, Arryn & Jensen, Grant & Nodwell, Justin. 2014. *Streptomyces*: A Screening Tool for Bacterial Cell Division Inhibitors. *Journal of biomolecular screening*. 20 (5): 456-461
- Javed, M. M., A., A., Tahir, M. U., & Khan, M. A. 2022. Assessing the Suitability of Selection Approaches and Genetic Diversity Analysis for Early Detection of Salt Tolerance of Barley Genotypes. *Agronomy*. 12: 1-8

- Jin X, Zhou J, Richey G, Wang M, Hong SMC, Hong SH. 2021. Undecanoic Acid, Lauric Acid, and N-Tridecanoic Acid Inhibit *Escherichia coli* Persistence and Biofilm Formation. *J Microbiol. Biotech.* 31(1): 130-136
- Johnson, J. S., Spakowicz, D. J., Hong, B., Petersen, L. M., Demkowicz, P., Chen, L., Leopold, S. R., Hanson, B. M., Agresta, H. O., Gerstein, M., Sodergren, E., & Weinstock, G. M. 2019. Evaluation of 16S rRNA gene sequencing for species and strain-level microbiome analysis. *Nat. Comm.* 10(1): 1-11
- Jose, P. A and S. R. D. Jebakumar. 2012. Phylogenetic diversity of actinomycetes culterd from coastalmultipond solar saltern in Tuticorin, India. *Aquat. Biosyst.* 8(23): 1-9
- Juárez-Rodríguez MM, Cortes-López H, García-Contreras R, González-Pedrajo B, Díaz-Guerrero M, Martínez-Vázquez M, Rivera-Chávez JA, Soto-Hernández RM, Castillo-Juárez I. 2021. Tetradecanoic Acids With Anti-Virulence Properties Increase the Pathogenicity of *Pseudomonas aeruginosa* in a Murine Cutaneous Infection Model. *F. Cell Inf. Microbiol.* 10: 59-68
- Khakhim, N. M.A., Mantai., A. Wicaksono., W. Lazuandi., Z. Isnaen. 2019. Mangrove ecosystem data inventory using unmanned aerial vehicles (UAVs) in Yogyakarta coastal area. *Geoinform. Sci. Symp.* 11311
- Khan, H. A., Baig, F. K., & Mehboob, R. 2017. Nosocomial infections: Epidemiology, prevention, control and surveillance. *As. Pas. J. of Trop.* 7(5): 478-482
- Kumar, T., M. Ghose, and R. L. Brahmachary. 2007. Effects or root exudates of two mangrove species on *in vitro* spore germination and hyphal growth of *Glomus mosseae*. *Res. J. Botany.* 2(1):48-53
- Lee, L. H., N. Zainal, A. S. Azman, S. K. Eng, B. H Goh, W. F. Yin, N. S. Ab Mutalib, and K. G. Chan. 2014. Diversity and antimicrobial activities of actinobacteria isolated from tropical mangrove sediments in Malaysia. *Sci. World J.* 3: 1-14
- Lew, S., Glińska-Lewczuk, K., Burandt, P., Kulesza, K., Kobus, S., & Obolewski, K. 2022. Salinity as a Determinant Structuring Microbial Communities in Coastal Lakes. *Int. J. of Env. Re. and Pub.* 19(8): 67-75
- Li, J., J.D. Dong, J. Yang, X.M. Luo, S. Zhang. 2014. Detection of Polyketide Synthase and Nonribosomal Peptide Synthetase Biosynthetic Genes from Antimicrobial Coral Associated Actinomycetes. *Biomol.* 106: 623–635
- Li Q, Chen X, Jiang Y. 2016. Morphological Identification of Actinobacteria. Actinobacteria-Basics and Biotechnological Applications. *In Tech.* 4(8): 87-93
- Mabrouka, Benhadj & Gacemi-Kirane, Djamila & Menasria, Taha & Guebla, Khaoula & Ahmane, Zina. 2018. Screening of rare actinomycetes isolated from natural wetland ecosystem (Fetzara Lake, northeastern Algeria) for hydrolytic enzymes and antimicrobial activities. *J. of Saud Univ. Sci.* 31 (5): 98-107
- Maiti, P.K., S. Das., P. Sahoo., S. Mandal. 2020. *Streptomyces* sp. SM01 isolated

- from Indian soil produces a novel antibiotic picolinamycin effective against multi drug resistant bacterial strain. *Scientific Report*. 10: 192-203
- Malisorn, N. A., A. J. K. Chowdhury, Z. Zainuddin, and Z. A. Z. Abidin. 2020. Selective isolation of actinomycetes from mangrove forest of Pahang, Malaysia. *ICABES*. 8(9): 14-20
- Mangamuri, U. K., V. Muvva, S. Poda, S. Kamma. 2012. Isolation, identification and molecular characterization of rare actinomycetes from mangrove ecosystem of Nizampatnam. *Malays. J. Microbiol.* 8(2): 83-91
- Mangamuri, U. K., M. Vijayalakshmi, and S. Poda. 2014. Exploration of Actinobacteria from mangrove ecosystems of Nizampatnam and Coringa for antimicrobial compounds and industrial enzymes. *Br. Biotechnol. J.*, 4(2): 11-17
- Mangamuri, U. K., V. Muvva, S. Poda, and D. Agasar. 2014. Optimization of process parameters for improved production of bioactive metabolites by *Streptomyces tritolerans* DAS 165T. *Br. Microbiol. Res. J.* 4(4): 428-442
- Magarvey, N. A., J. M. Keller, V. Bernan, M. Dworkin, and D. H. Sherman. 2004. Isolation and characterization of novel marine-derived actinomycete taxa rich in bioactive metabolites. *App. Environ. Microbiol.* 70(12): 7520-7529
- Meklat, A., N. Sabaou, A. Zitouni, F. Mathieu, and A. Lebrihi. 2011. Isolation, taxonomy, and antagonistic properties of halophilic actinomycetes in Saharan Soils of Algeria. *App. Environ. Microbiol.*, 77(18): 6710–6714
- Ming, X., Y. Hua-qun, L. Yi, L. Jie, and Xue-duan. 2008. Repetitive sequence based polymerase chain reaction to differentiate close bacteria strains in acidic sites. *T.Nonferr. Metal Soc.* 18(6): 1392-1397
- Mitra, A., S. C Santra, and J. Mukherjee. 2008. Distribution of actinomycetes, their antagonistic behaviour and the physico-chemical characteristics of the world's largest tidal mangrove forest. *Appl. Microbiol. Biotechnol.* 80: 685-695
- Miyadoh, S. 1997. *Atlas of Actinomycetes*. Asakura Publishing Co., Ltd., Japan.
- Nihorimbere, T., Meguro, A., Hasegawa, S., Nakagawa, Y., Shimizu, M., Hunoh, H. 2011. An endophytic actinomycete, *Streptomyces* sp. AOK-30, isolated from Mountain Laurel and its antifungal activity. *J.Gen.Plant Pathol.* 68: 390-397.
- Nithya K, Muthukumar C, Biswas B, Alharbi NS, Kadaikunnan S, Khaled JM, Dhanasekaran D. 2018. Desert actinobacteria as a source of bioactive compounds production with a special emphasis on Pyridine-2,5-diacetamide a new pyridine alkaloid produced by *Streptomyces* sp. DA3-7. *Microbiol Res.* 207:1 16-133.
- Pan H, Xiao Y, Xie A, Li Z, Ding H, Yuan X, Sun R, Peng Q. 2014. The antibacterial mechanism of phenylacetic acid isolated from *Bacillus megaterium* L2 against *Agrobacterium tumefaciens*. *Microbiol App.* 10: 1430-1439
- Pascale, A., Proietti, S., Pantelides, I. S., & Stringlis, I. A. 2020. Modulation of the Root Microbiome by Plant Molecules: The Basis for Targeted Disease Suppression and Plant Growth Promotion. *Front. in Plant Sci.* 10: 89-96

- Periyasamy S., Kui H., John P., Kandasamy P. 2019 "Extreme Environment *Streptomyces*: Potential Sources for New Antibacterial and Anticancer Drug Leads?", *Int. J. of Microbiol.* 9: 107-116
- Rao, K. V. R., K. S Kumar, D. B Rao, and T. R Rao. 2012. Isolation and characterization of antagonistic actinobacteria from mangrove soil. *J. Biochem. Tech.* 3(4): 361-365
- Raj, C.K. & Venugopal, Jayapal & Muthaiah, Muthuraj & Chadha, Vineet & Brammacharry, Usharani & Swappna, M. & Sangeetha, & Dhandapani, Senthil & Raman, Kareedhi & Calivarathan, Latchoumycandane & Karthick, Mowna & Jayapal, Karthick. 2021. In-vitro anti-Mycobacterium tuberculosis effect of Eugenol. *Ind. J. of Tb.* 69: 179-186
- Rajan, B. M., and K. Kannabiran. 2014. Extraction and identification of antibacterial secondary metabolites from marine *Streptomyces* sp. VITBRK2. *Int. J. Mol. Cell. Med.* 3(3): 130
- Rajeswari, Pandiyan & Jose, Polpass & Amiya, Richa & Jebakumar, Solomon. 2015. Characterization of saltern based *Streptomyces* sp. and statistical media optimization for its improved antibacterial activity. *Front. in Microbiol.* 5: 98-110
- Ramesh, S., and N. Mathivanan. 2009. Screening of marine actinomycetes isolated from the Bay of Bengal, India for antimicrobial activity and industrial enzymes. *J. Microbiol Biotechnol.* 25: 2103–2111
- Ramirez-Elias, M. A., R. Ferrera-Cerrato, A. Alarcon, J. J. Almaraz, G. Ramirez-Valverde, L. E. de-Bashan, and F. J. Ezparza-Garcia. 2014. Identification of culturable microbial functional groups isolated from the rhizosphere of four species of mangrove and either biotechnological potential. *Appl. Soil. Ecol.* 82: 1-10
- Rani, R., Arora, S., Kaur, J., & Manhas, R. K. 2018. Phenolic compounds as antioxidants and chemopreventive drugs from *Streptomyces cellulosa* strain TES17 isolated from rhizosphere of *Camellia sinensis*. *BMC Comp. and Alt. Med.* 8(9): 1243-1251
- Ravikumar, S., S. J. Ibaneson, M. Uthiraselvam, S. R. Priya, A. Ramu, and M. B. Banerjee. 2011. Diversity of endophytic actinomycetes from Karangkadu mangrove ecosystem and its antibacterial potential against bacterial pathogens. *J. Pharm. Res.* 4(1): 294-296
- Retnowati, Yuliana & Moeljopawiro, Sukarti & Djohan, Tjut & Soetarto, Endang. 2018. Antimicrobial activities of actinomycete isolates from rhizospheric soils in different mangrove forests of Torosiaje, Gorontalo, Indonesia. *Biodiv.* 19: 2196-2203
- Rosmine, E., and S. A. Varghese. 2016. Isolation of actinomycetes from mangrove and estuarine sediments of Cochin and screening for antimicrobial activity. *J. Coast. Life. Med.* 4(3): 207-210
- Rousk, J., Baath, E., Brookes, P. C., Lauber, C. L., Lozupone, C., Caporaso, J. G., Knight, R., & Fierer, N. 2010. Soil bacterial and fungal communities across a pH gradient in an arable soil. *The ISME Journal.* 4(10):1340-1351
- Ruan, C., L. Zhang, W.W. Ye, X. C. Xie, R. Srivibool, K. Duangmal, W. Phthomaree, Z. X. Deng, and K. Hong. 2014. *Streptomyces ferrugineus* sp.

- nov., isolated from mangrove soil in thailand. *J. Microbiol.* 6(9): 123-130
- Selim MSM, Abdelhamid SA, Mohamed SS. 2021. Secondary metabolites and biodiversity of actinomycetes. *J. Genet. Eng. Biotechnol.* 19(1): 72-80
- Sengupta, S., A. Pramanik, A. Ghosh, and M. Bhattacharyya. 2015. Antimicrobial activities of actinomycetes isolated from unexplored regions of Sundarbans mangrove ecosystems. *BMC Microbiol.* 15: 170-176
- Serwecińska, L. 2020. Antimicrobials and Antibiotic-Resistant Bacteria: A Risk to the Environment and to Public Health. *Water.* 12(12): 3313-3319
- Shrestha, Sandeep & Bhandari, Rajendra & Bashyal, Ashish & Shrestha, Nischal. 2021. A Comparative Study of Physico-Chemical Parameter in Glacial Melt Water, Ponkar Glacier, Nepal. *OA. Lib.* 8: 1-10
- Sharma, M. 2014. Actinomycetes: source, identification, and their applications. *Int. J. Curr. Microbiol. App. Sci.* 3(2): 801-832
- Shi, S., A. E. Richardson, M. O'Callaghan, K. M. DeAngelis, E. E. Jones, A. Stewart, M. K. Firestone, and L. M. Condron. 2011. Effects of selected root exudate components on soil bacterial communities. *FEMS Microbiol. Ecol.* 77(3): 600-610
- Song, V., S. Haque, H. Singh, J. Verma, K. Vibha, R. Singh, A. Jawed, and C. K. M. Tripathi. 2004. Isolation, Screening, and Identification of Novel Isolates of Actinomycetes from India for Antimicrobial Applications. *Front. Microbial.* 7: 1921-1929
- Sopbue FE, Njoya AS, Tamokou JD, Doungmo G, Ndjakou Lenta B, Simon PFW, Tsopmo A, Kuiate JR. 2022. Synthesis, characterization and antimicrobial properties of two derivatives of pyrrolidine-2,5-dione fused at positions-3,4 to a dibenzobarrelene backbone. *BMC Chem.* 16(1): 81-90
- Srinivasan, R., Karaoz, U., Volegova, M., MacKichan, J., Kato-Maeda, M., Miller, S., Nadarajan, R., Brodie, E. L., & Lynch, S. V. 2015. Use of 16S rRNA Gene for Identification of a Broad Range of Clinically Relevant Bacterial Pathogens. *PLOS ONE.* 10(2): 76-85
- Suthindhiran, K., and K. Kannabiran. 2010. Diversity and exploration of bioactive marine actinomycetes in the Bay of Bengal of the Puducherry coast of India. *Indian. J. Microbiol.* 50(1): 76-82
- Tao, Z., Yuan, H., Liu, M., Liu, Q., Zhang, S., Liu, H., Jiang, Y., Huang, D., & Wang, T. 2023. Yeast Extract: Characteristics, Production, Applications and Future Perspectives. *Journal of Microbiology and Biotechnology.* 33(2): 151-166
- Valli, Suly & Suvathi, Sugasini & Aysha, Os & Nirmala, P & Kumar P, Vinoth & Reena, A. 2012. Antimicrobial potential of Actinomycetes species isolated from marine environment. *As. Pac. J. of Trop. Biomed.* 2(1): 469-473
- Vijayakumar, R., Panneerselvam, K., Muthukumar, C., Thajuddin, N., Panneerselvam, A., & Saravanamuthu, R. 2012. Optimization of Antimicrobial Production by a Marine Actinomycete *Streptomyces afghaniensis* VPTS3-1 Isolated from Palk Strait, East Coast of India. *Ind. J. of Microbiol.* 52(2): 230-239

- Wang Y, Zhang Y, Song X, Fang C, Xing R, Liu L, Zhao X, Zou Y, Li L, Jia R, Ye G, Shi F, Zhou X, Zhang Y, Wan H, Wei Q, Yin Z. 2022. 1,8-Cineole inhibits biofilm formation and bacterial pathogenicity by suppressing luxS gene expression in *Escherichia coli*. *Front. Pharmacol.* 14: 236-244
- Wang, Cy., Zhou, X., Guo, D. 2019. Soil pH is the primary factor driving the distribution and function of microorganisms in farmland soils in northeastern China. *Ann Microbiol.* 9(10): 1461-1473
- Wei, Y., Zhang, L., Zhou, Z., & Yan, X. 2018. Diversity of Gene Clusters for Polyketide and Nonribosomal Peptide Biosynthesis Revealed by Metagenomic Analysis of the Yellow Sea Sediment. *Front. In Microbiol.* 14: 673-680
- Wen, T., Yu, G., Hong, W., Yuan, J., Niu, G., Xie, P., Sun, F., Guo, L., Kuzyakov, Y., & Shen, Q. 2022. Root exudate chemistry affects soil carbon mobilization via microbial community reassembly. *Fund. Re.* 2(5): 697-707
- Willey, N. S., Wilson, K. J., Blackall, L. L., Hill, R. T. 2008. Phylogenetic diversity of bacteria associated with the marine sponge *Rhopaloeides odorabile*. *Appl. Environ. Microbiol.* 67: 434-444
- Wu, H., D.P. Fewer, L. Holm, L. Rouhiainen, and K. Sivonen. 2012. Atlas of Nonribosomal Peptide and Polyketide Biosynthetic Pathways Reveals Common Occurrence of Nonmodular Enzymes. *PNAS.* 111(25): 9259-9264
- Xiao, Y., W. Yang, F. Tang, X. Chen, and L. Ren. 2015. Antibacterial Activities of Flavonoids: Structure-Activity Relationship and Mechanism. *Curr. Med. Chem.* 22(1): 132-149
- Yan, Nan & Marschner, Petra & Cao, Wenhong & Zuo, Changqing & Qin, Wei. 2015. Influence of salinity and water content on soil microorganisms. *ISWCR.* 3: 56-61
- Yılmaz, ES., & Aslantaş, O. 2017. Antimicrobial resistance and underlying mechanisms in *Staphylococcus aureus* isolates. *As. Pas. J. Trop. Med.* 10(11) :1059-1064
- Yun, Y., Wang, H., Man, B., Xiang, X., Zhou, J., Qiu, X., Duan, Y., & Engel, A. S. 2016. The Relationship between pH and Bacterial Communities in a Single Karst Ecosystem and Its Implication for Soil Acidification. *Front. in Microbiol.* 7: 98-108
- Zhalnina, K., Louie, K. B., Hao, Z., Mansoori, N., da Rocha, U. N., Shi, S., Cho, H., Karaoz, U., Loqué, D., Bowen, B. P., Firestone, M. K., Northen, T. R., & Brodie, E. L. 2018. Dynamic root exudate chemistry and microbial substrate preferences drive patterns in rhizosphere microbial community assembly. *Nature Microbiology.* 3(4): 470-480
- Zotchev S, Haugan K, Sekurova O, Sletta H, Ellingsen TE, Valla S. 2000. Identification of a gene cluster for antibacterial polyketide-derived antibiotic biosynthesis in the nystatin producer *Streptomyces noursei* ATCC 11455. *Microbiol.* 3: 611-619