

DAFTAR PUSTAKA

- Abd-Alla, M. H., Mohamed, H., Bashandy, S. R., Ratering, S., and Schnell, S. 2011. First report of soft rot of onion bulbs in storage caused by *Pseudomonas aeruginosa* in Egypt. *J. Plant Interact.* 6: 229–238. doi: 10.1080/17429145.2010.535618.
- Abdelfattah, A., Wisniewski, M., Li Destri Nicosia, M. G., Cacciola, S. O., Schena, L. 2016. Metagenomic Analysis of Fungal Diversity on Strawberry Plants and the Effect of Management Practices on the Fungal Community Structure of Aerial Organs. *PLoS ONE*, 11 (8). <https://doi.org/10.1371/journal.pone.0160470>
- Agrios, G. N. 1997. Ilmu Penyakit Tumbuhan. Busnia, M penerjemah. Yogyakarta: Gadjah Mada University Press. Terjemahan dari Plant Pathology 3rd ed.
- Akhdiya, A., Wahyudi, A. T., Munif, A., Darusman, L. K. 2014. Characterization of an Endophytic Bacterium G062 Isolate with Beneficial Traits. *HAYATI Journal of Biosciences*, 21(4), 187–196. doi: 10.4308/hjb.21.4.187.
- Aktar, M. W., Paramasivam, M., Sengupta, D. 2009. Persistence and Dissipation of Propineb-A Dithiocarbamate Fungicide in Potato under East-Indian Climatic Conditions. *Kasetsart J. Nat. Sci.* 43: 50 – 55.
- Alabouvette, C. 1986. Fusarium-wilt suppressive soils from the Châteaurenard region: review of a 10-year study. *Agronomie* 6, 273–284. doi: 10.1051/agro:19860307
- Alexander, A., Singh, V. K., Mishra, A., dan Jha, B. 2019. Plant growth promoting rhizobacterium *Stenotrophomonas maltophilia* BJ01 augments endurance against N₂ starvation by modulating physiology and biochemical activities of *Arachis hypogea*. *PLOS ONE*, 14 (9): e0222405. doi: 10.1371/journal.pone.0222405.
- Alfano, J. R., Collmer, A. 1996. Bacterial pathogens in plants: life up against the wall. *Plant Cell*. 8: 1683-1698.
- Amir, N., Paridawati, I., Mulya, S. A. 2021. Respon Pertumbuhan dan Produksi Tanaman Bawang Merah (*Allium ascalonicum* L.) dengan Pemberian Pupuk Organik Cair dan Pupuk Kalium. *Klorofil*. 16 (1): 6-11.
- An, G.-H., Cho, J.-H., Kim, O.-T., and Han, J.-G. 2021. Metagenomic Analysis of Bacterial and Fungal Communities Inhabiting Shiro Dominant Soils of Two Production Regions of *Tricholoma Matsutake* S. Ito and S. Imai in Korea. *Forests*. 12, 758. <https://doi.org/10.3390/f12060758>.
- Andermann, T., Antonell, i A., Barrett, R. L., Silvestro, D. 2022. Estimating Alpha, Beta, and Gamma Diversity Through Deep Learning. *Front. Plant Sci.* 13:839407. doi: 10.3389/fpls.2022.839407.
- Aparna, G., Chatterjee, A., Sonti, R. V., Sankaranarayanan, R. 2009. A cell wall-degrading esterase of *Xanthomonas oryzae* requires a unique substrate recognition module for pathogenesis on rice. *Plant Cell*. 21: 1860-1873. Advance Online Publication. 10.1105/tpc.109.066886.
- Arimbawa, I. M., Wiryana, G. N. A. S., Sudana, I. M., dan Winantara, I. M. 2019. Isolasi dan Seleksi Bakteri Antagonis untuk Pengendalian Penyakit Busuk Batang

- Panili (*Vanilla planifolia* Andrews) Secara In Vitro. *Jurnal Agroekoteknologi Tropika*. 8 (2).
- Attitalla, I. H., Z. Latiffah, B. Salleh, S. Brishammar. 2011. Biology and partial sequencing of an endophytic *Fusarium oxysporum* and plant defense complex. *Amer. J. Biochem. Mol. Biol.* 1:121-44.
- Avolio, M. L., Forrestel, E. J., Chang, C. C., La Pierre, K. J., Burghardt, K. T., & Smith, M. D. (2019). Demystifying dominant species. *New Phytologist*. doi: 10.1111/nph.15789.
- Bai, Y., Mueller, D. B., Srinivas, G., Garrido-Oter, R., Potthoff, E., Rott, M., et al. 2015. Functional overlap of the Arabidopsis leaf and root microbiota. *Nature*. 528 (7582): 364–9. <https://doi.org/10.1038/nature16192>.
- Bailey, M. J. 2006. Microbial ecology of aerial plant surfaces. CABI, Wallingword.
- Barcina, I., and Arana, I. 2009. The viable but nonculturable phenotype: a crossroads in the life-cycle of non-differentiating bacteria? *Reviews in Environmental Science and Biotechnology*, 8 (3): 245–255.
- Baselga, A., and Orme, C. D. L. (2012). Betapart: an R package for the study of beta diversity. *Methods Ecol. Evol.* 3, 808–812. doi: 10.1111/j.2041-210X.2012.00224.x.
- Bashir, M. R., Atiq, M., Sajid, M., Hussain, A., Rehman, H. S., Mehmood, A. 2018. Impact of organic matter and soil types on the development of Fusarium wilt of chili. *Pak. J. Agri. Sci.* 55 (4): 749-753.
- Bateman, D. F., Basham, H. G. 1976. *Degradation of plant cell walls and membranes by microbial enzymes*. In: Heitefuss R, Williams P. H., editors. *Encyclopedia of plant physiology*, Vol. 4. New York: Springer-Verlag. p. 316-355.
- Berendsen, R. L., Vismans, G., Yu, K., Song, Y., de Jonge, R., Burgman, W. P., Burmolle, M., Herschend, J., Bakker, P. A. H. M., and Pieterse, C. M. J. 2018. Disease-induced assemblage of a plant-beneficial bacterial consortium. *The ISME Journal*, 12 (6), 1496–1507. doi:10.1038/s41396-018-0093-1.
- Berger, B., Baldermann, S., dan Ruppel, S. 2017. The plant growth-promoting bacterium *Kosakonia radicincitans* improves fruit yield and quality of *Solanum lycopersicum*. *Journal of the Science of Food and Agriculture*, 97 (14): 4865–4871. doi:10.1002/jsfa.8357.
- Borgers, M. 1980. Mechanism of Action of Antifungal Drugs, with Special Reference to the Imidazole Derivatives. *Clinical Infectious Diseases*. 2 (4): 520–534. doi: 10.1093/clinids/2.4.520
- BPS Kabupaten Bantul. 2016. Jenis Tanah Kabupaten Bantul.
- BPS Yogyakarta. 2018. Kecamatan Kretek Dalam Angka 2018. Daerah Istimewa Yogyakarta.
- BPS. 2020. Produksi Bawang Merah Menurut Provinsi, Tahun 2015-2019.
- Brown, T. A. 1992. Second Edition Genetics: Molecular Approach. London: Chapman & Hall.

- Burdon, J. J., dan Zhan, J. 2020. Climate change and disease in plant communities. *PLoS Biol.* 18 (11): e3000949. doi: 10.1371/journal.pbio.3000949.
- Bustamante, M.A., R. Moral, C. Paredes, A. Perez-Espinosa, J. Moreno-Caselles and M.D. Perez-Murcia. 2008. Agrochemical characterization of the solid byproducts and residues from the winery and distillery industry. *J. Waste Manage.* 28:372-380.
- Campbell, N. A., Reece, J. B., dan Mitchell, L. G. 2003. *Biologi Edisi Kelima Jilid 2*. Jakarta: Erlangga
- Caporaso, J. Gregory, et al. 2010. QIIME allows analysis of high-throughput community sequencing data. *Nature methods.* 7 (5): 335-336.
- Chakraborty, R., Srinivasan, M. 1992. Production and regulation of a thermostable protease by *Pseudomonas* sp. B45. *Acta Microbiol Hung.* 39: 181-191.
- Chakraborty, S., and Datta, S. 2003. How will plant pathogens adapt to host plant resistance at elevated CO₂ under a changing climate? *New Phytol.* 159 p 733.
- Chandra, T. J., dan Mani, S. 2011. A study of 2 rapid tests to differentiate gram positive and gram-negative aerobic bacteria. *Journal Medicine Allied Science.* 1 (2): 84-85.
- Chen M., Li X., Yang Q., Chi X., Pan L., Chen N., et al. 2012. Soil eukaryotic microorganism succession as affected by continuous cropping of peanut—pathogenic and beneficial fungi were selected. *PLoS One* 7: e40659. 10.1371/journal.pone.0040659.
- Chen R, Jiang Y. M, Wei S. C, Wang Q. M. 2012. *Kwoniella shandongensis* sp. nov., a basidiomycetous yeast isolated from soil and bark from an apple orchard. *Int J Syst Evol Microbiol.* 62 (Pt 11):2774-2777. doi: 10.1099/ij.s.0.039172-0.
- Chen, J., Bittinger, K., Charlson, E. S., Hoffmann, C., Lewis, J., Wu, G. D., ... Li, H. 2012. Associating microbiome composition with environmental covariates using generalized UniFrac distances. *Bioinformatics.* 28 (16): 2106–2113. doi: 10.1093/bioinformatics/bts342.
- Cofer, T. M., Engelberth, M., and Engelberth, J. 2018. Green leaf volatiles protect maize (*Zea mays*) seedlings against damage from cold stress. *Plant Cell Environ.* 41, 1673–1682. doi: 10.1111/pce.13204.
- Coleman, J. J., Wasmann, C. C., Usami, T., White, G. J., Temporini, E. D., McCluskey, K., VanEtten, H. D. 2011. Characterization of the gene encoding pisatin demethylase (FoPDA1) in *Fusarium oxysporum*. *Mol Plant Microbe Interact.* 24 (12): 1482-91. doi: 10.1094/MPMI-05-11-0119.
- Compant, S., Samad A, Faist H, Sessitch A. 2019. A review on the plant microbiome: Ecology, functions, and emerging trends in microbial application. *Journal of Advanced Research* 19: 29-37. <https://doi.org/10.1016/j.jare.2019.03.004>.
- Damm U, Fourie P. H, Crous P. W. 2010. *Coniochaeta (Lecythophora)*, *Collophora* gen. nov. and *Phaeomoniella* species associated with wood necroses of Prunus trees. *Persoonia.* 24: 60-80. doi: 10.3767/003158510X500705.
- Dassen, S., Cortois, R., Martens, H., de Hollander, M., Kowalchuk, G. A., van der Putten, W. H., De Deyn, G. B. 2017. Differential responses of soil bacteria, fungi,

- archaea, and protists to plant species richness and plant functional group identity. *Mol Ecol.* 26 (15): 4085-4098. doi: 10.1111/mec.14175.
- de Vries, F. T., Griffiths, R. I., Bailey, M., Craig, H., Girlanda, M., Gweon, H. S., et al. 2018. Soil bacterial networks are less stable under drought than fungal networks. *Nat Commun.* 9 (1): 3033. <https://doi.org/10.1038/s41467-018-05516-7>.
- de Vries, F. T., Wallenstein, M. D., Bardgett, R. 2017. Below-ground connections underlying above-ground food production: a framework for optimising ecological connections in the rhizosphere. *J Ecol.* 105 (4): 913–20. <https://doi.org/10.1111/1365-2745.12783>.
- Dhaouadi, S., Rouissi, W., Mougou-Hamdane, A., & Nasraoui, B. 2018. Evaluation of biocontrol potential of *Achromobacter xylosoxidans* against *Fusarium* wilt of melon. *European Journal of Plant Pathology*. doi: 10.1007/s10658-018-01646-2.
- Dharyamanti, I.N.L.P. 2011. Filogenetika Molekuler: Metode Taksonomi Organisme Berdasarkan Sejarah Evolusi. *Wartazoa* 1(21): 1-10.
- Dilbo, C. 2015. Integrated management of garlic white rot (*Sclerotium cepivorum* Berk) using some fungicides and antifungal *Trichoderma* species. *J Plant Pathol Microbiol.* 06: 1000251 10.4172/2157-7471.1000251.
- Doan, H. K., and Leveau, J. H. 2015. Artificial surfaces in phyllosphere microbiology. *Phytopathology.* 105: 1036–1042.
- Duran, P., Thiergart, T., Garrido-Oter, R., Agler, M., Kemen, E., Schulze-Lefert, P., et al. 2018. Microbial interkingdom interactions in roots promote *Arabidopsis* survival. *Cell.* 175 (4): 973–83 e14. <https://doi.org/10.1016/j.cell.2018.10.020>.
- Dwivedi, G. R., Sisodia, B. S., Shikha. 2019. Secondary Metabolites: Metabolomics for Secondary Metabolites. *New and Future Developments in Microbial Biotechnology and Bioengineering*, 333–344. doi: 10.1016/b978-0-444-63504-4.00022-0.
- Edgar, Robert C., et al. 2011. UCHIME improves sensitivity and speed of chimera detection. *Bioinformatics.* 27 (16): 2194-2200.
- Edgar. 2004. MUSCLE: multiple sequence alignment with high accuracy and high throughput
- Edwards, J., Johnson, C., Santos-Medellín, C., Lurie, E., Podishetty, N. K., Bhatnagar, S., Eisen, J. A., dan Sundaresan, V. 2015. Structure, variation, and assembly of the root associated microbiomes of rice. *Proceedings of the National Academy of Sciences.* 112: E911-E920. doi: 10.1073/pnas.1414592112.
- Elisabeth, D. W., Santoso, M., dan Herlina, N. 2013. Pengaruh Pemberian berbagai Komposisi Bahan Organik pada Pertumbuhan dan Hasil Tanaman Bawang Merah (*Allium ascalonicum* L.). *Jurnal Produksi Tanaman.* 1 (3): 21–29.
- Emami, P., Mehrabi-Koushki, M., Hayati, J., Aeni, M. 2020. Detection and Identification of some *Pseudomonas* Species causing Soft Rot using TUF Gene. *Biological Journal of Microorganism.* 8 (32): 81-93.

- Estrella, F. S., M. C. Vargas, M. A. Elorrieta, M. J. Lopez and J. Moreno. 2003. Temperature effect on *Fusarium oxysporum* f. sp. melonis survival during horticultural waste composting. *J. Appl. Microbiol.* 94: 475-482.
- Fahy, P.C., and G.J. Persley. 1983. *Plant Bacterial Diseases; A Diagnostic Guide*. Academic Press, Australia. 393p.
- Ferguson, S. J., Richardson, D. J., and van Spanning, R. J. M. 2007. Biochemistry and Molecular Biology of Nitrification. *Biology of the Nitrogen Cycle*, 209–222. doi:10.1016/b978-044452857-5.50015-1.
- Fiantis, D. 2017. *Morfologi dan Klasifikasi Tanah*. Lembaga Pengembangan Teknologi Informasi dan Komunikasi (LPTIK), Universitas Andalas.
- Fourie, E. T. Steenkamp, R.C. Ploetz, T. R. Gordon, and A. Viljoen. 2011. Current status of the taxonomic position of *Fusarium oxysporum* formae specialis cubense within the *Fusarium oxysporum* complex. *Infection, Genetics and Evolution*, 11: 533–542.
- Franke-Whittle, I. H., Manici, L. M., Insam, H., Stres, B. 2015. Rhizosphere bacteria and fungi associated with plant growth in soils of three replanted apple orchards. *Plant Soil* 395 317–333. 10.1007/s11104-015-2562-x.
- Fricke, W. F., Cebula, T. A., and Ravel, J. 2011. Genomics. *Microbial Forensics*, 479-492. doi: 10.1016/b978-0-12-382006-8.00028-1.
- Gandjar, I. 1999. *Pengenalan Kapang Tropik*. Depok: Yayasan Obor Indonesia.
- Gao, J., Wang, Y., Wang, C. W., and Lu, B. H. 2014. First report of bacterial root rot of ginseng caused by *Pseudomonas aeruginosa* in China. *Plant Dis.* 98, 1577–1577. doi: 10.1094/PDIS-03-14-0276-PDN.
- Gao, M., Xiong, C., Gao, C., Tsui, C. K. M., Wang, M., Zhou, X., Zhang, A., and Cai, L. 2021. Disease-induced changes in plant microbiome assembly and functional adaptation. *Microbiome*. 9 (187). <https://doi.org/10.1186/s40168-021-01138-2>.
- Gedefaw, Y., Gezahegn, A., Fekadu, A., Mehari, Z. 2019. First Report of *Stemphylium vesicarium* Causing Onion *Stemphylium* Leaf Blight in Ethiopia. *Agricultural Science*. 10 (8). doi: 10.4236/as.2019.108083.
- Ghini, R., Hamada, E., dan Bettiol, W. 2008. Climate change and plant diseases. *Scientia Agricola*, 65(spe), 98–107. doi:10.1590/s0103-90162008000700015.
- Gitaitis, R., Mullis, S., Lewis, K., Langston, D., Watson, A. K., and Sanders, H. 2012. First Report of a New Disease of Onion in Georgia Caused by a Nonfluorescent *Pseudomonas* Species. *The American Phytopathological Society*. 96 (2): 285.
- Glick, B.R. 1995. The Enhancement of Plant Growth by Free Living Bacteria. *Canadian Journal Microbiolog*, 41: 109-117.
- Gonçalves, T., dan Vasconcelos, U. 2021. Colour Me Blue: The History and the Biotechnological Potential of Pyocyanin. *Molecules*. 26 (4): 927. doi: 10.3390/molecules26040927.
- Gonzalez, C. F., Pettit, E. A., Valadez V. A., Provin, E. M. 1997. Mobilization, cloning, and sequence determination of a plasmid-encoded polygalacturonase from a phytopathogenic *Burkholderia* (*Pseudomonas*) cepacia. *Mol. Plant-Microbe Interact*. 10: 840-851.

- Gotora, T., L. Masaka, M. Sungirai. 2014. Effect of cow urine on the growth characteristics of *Fusarium lateritium*, an important coffee fungus in Zimbabwe. *Int. J. Agron.* 4:231-235.
- Gu, S., Wei, Z., Shao, Z., Friman, V. P., Cao, K., Yang, T., et al. 2020. Competition for iron drives phytopathogen control by natural rhizosphere microbiomes. *Nat Microbiol.* 5 (8): 1002–10. <https://doi.org/10.1038/s41564-020-0719-8>.
- Hacquard, S. 2016. Disentangling the factors shaping microbiota composition across the plant holobiont. *New Phytol.* 209, 454–457. doi: 10.1111/nph.13760.
- Hadisoeganda, W. W., Suryaningsih, E., and Moekasan, T. K. 1995. Penyakit dan Hama Bawang Merah dan Cara Pengendaliannya. Dalam *Teknologi Produksi Bawang Merah*. Pusat Penelitian dan Pengembangan Hortikultura, A. H. Permadi, H. H. Sunarjono, Suwandi, F. A. Bahar, S. Sulihanti, and W. Broto, eds. (Jakarta: Badan Penelitian dan Pengembangan Pertanian), p.57–73.
- Hafsari, A. R., dan Asterina, I. 2013. Isolasi dan Identifikasi Kapang Endofit dari Tanaman Obat Surian (*Toona Sinensis*). ISSN 1979- 8911, Vol. 7, No. 2, Hal. 175-191.
- Hall, B.G. 2001. *Phylogenetic Trees Made Easy: A How-To Manual for Molecular Biologists*. Sinauer Associates, Inc., Sunderland, Massachusetts, USA.
- Han, J., Sun, L., Dong, X., Cai, Z., Sun, X., Yang, H., ... Song, W. 2005. Characterization of a novel plant growth-promoting bacteria strain *Delftia tsuruhatensis* HR4 both as a diazotroph and a potential biocontrol agent against various plant pathogens. *Systematic and Applied Microbiology*, 28 (1): 66–76. doi: 10.1016/j.syapm.2004.09.003.
- Hardjowigeno, S. 2003. *Ilmu Tanah*. Jakarta: Akademika Presindo.
- Hay, F., Stricker, S., Gossen, B. D., McDonald, M. R., Heck, D., Hoepting, C., Sharma, S., and Pethybridge, S. 2021. *Stemphylium* Leaf Blight: A Re-Emerging Threat to Onion Production in Eastern North America. *Plant Dis.*105 (12): 3780-3794. doi: 10.1094/PDIS-05-21-0903-FE
- He, Y., Caporaso, J., Jiang, X., et al. 2015. Stability of operational taxonomic units: an important but neglected property for analyzing microbial diversity. *Microbiome.* 3 (34).
- Herlina, L., Istiaji, B., Wiyono, S. 2021. The Causal Agent of *Fusarium* Disease Infested Shallots in Java Islands of Indonesia. E3S Web Conf, IConARD 2020. <https://doi.org/10.1051/e3sconf/202123203003>
- Hess, J. Hass., Kohl, M. Kotrová, K. Rönsch, T. Paprotka, V. Mohr, T. Hutzenlaub, M. Brüggemann, R. Zengerle, S. Niemann, and N. Paust. Library preparation for next generation sequencing: A review of automation strategies, *Biotechnology Advances*, Volume 41, 2020.
- Heyne, K. 1987. *Tumbuhan Berguna Indonesia*. Jakarta: Yayasan Sarana Wana Jaya.
- Horng, K. R. Ganz, H. H., Eisen, J. A., dan Marks, S. L. 2018. Effects of preservation method on canine (*Canis lupus familiaris*) fecal microbiota. *PeerJ.* 6: e4827; DOI: 10.7717/peerj.4827

- Hoshino, T., Morono, Y., Terada, T., Imachi, H., Ferdelman, T. G., & Inagaki, F. 2011. Comparative Study of Subseafloor Microbial Community Structures in Deeply Buried Coral Fossils and Sediment Matrices from the Challenger Mound in the Porcupine Seabight. *Frontiers in Microbiology*, 2. doi: 10.3389/fmicb.2011.00231
- Hughes, J. B., Hellmann, J. J., Ricketts, T.H., dan Bohannon, B. J. 2001. Counting the uncountable: statistical approaches to estimating microbial diversity. *Appl. Environ. Microbiol.* 67: 4399-4406.
- Illumina, 2019. Illumina TruSeq DNA Nano Available from: [Internet]. <https://www.illumina.com/products/by-type/sequencing-kits/library-prep-kits/truseq-nano-dna.html>.
- Indriyanto. 2012. *Ekologi Hutan*. Jakarta: Bumi Aksara.
- Izzati, M. 2015. Perbedaan Kandungan Bahan Organik pada Tanah Pasir dan Tanah Liat Setelah Penambahan Pembenh Tanah dari Bahan Dasar Tumbuhan Akuatik. *Buletin Anatomi dan Fisiologi*, 23 (2).
- Jackson, C. R., Randolph, K. C., Osborn, S. L., Tyler, H. L. 2013. Culture dependent and independent analysis of bacterial communities associated with commercial salad leaf vegetables. *BMC Microbiol.* 13: 274. doi: 10.1186/1471-2180-13-274.
- Jiang L, Lv G, Gong Y, Li Y, Wang H, Wu D. 2021. Characteristics and driving mechanisms of species beta diversity in desert plant communities. *PLoS ONE* 16(1): e0245249. <https://doi.org/10.1371/journal.pone.0245249>.
- Jovel, J., Patterson, J., Wang, W., Hotte, N., O'Keefe, S., Mitchel, T., ... Wong, G. K. S. 2016. Characterization of the Gut Microbiome Using 16S or Shotgun Metagenomics. *Frontiers in Microbiology*, 7. doi: 10.3389/fmicb.2016.00459.
- Juliano, S. A. 2007. Population Dynamics. *J Am Mosq Control Assoc.* 23 (2 Suppl): 265-275. doi: 10.2987/8756-971x(2007)23[265:pd]2.0.co;2.
- Kalman B, Abraham D, Graph S, Perl-Treves R, Meller Harel Y, Degani O. 2020. Isolation and Identification of *Fusarium* spp., the Causal Agents of Onion (*Allium cepa*) Basal Rot in Northeastern Israel. *Biology.* 9 (4): 69. <https://doi.org/10.3390/biology9040069>
- Kellenberger, E. 2001. Exploring the unknown. *EMBO reports* 2: 5–7. PMID: 11252724.
- Kemendag. 2022. Profil Komoditas Bawang Merah. Diakses pada 28 Maret 2022. https://ews.kemendag.go.id/sp2kp-landing/assets/pdf/131212_ANL_UPK_BawangMerah.pdf
- Khaerati, Fery, Y., dan Rusli. 2018. Seleksi Mikrob Filoplan dan Endofit sebagai Agens Hayati Penyakit Gugur Daun Karet (*Corynespora casiicola*). *Jurnal Tanaman Industri dan Penyegar.* 5 (3).
- Kishore, G. K., Pande, S., and Podile, A. R. 2005. Biological control of late leaf spot of peanut (*Arachis hypogaea*) with chitinolytic bacteria. *Phytopathology.* 95: 1157–1165.
- Koleff, P., Gaston, K. J., and Lennon, J. J. 2003. Measuring beta diversity for presence – absence data. *J. Anim. Ecol.* 72, 367–382. doi: 10.1046/j.1365-2656.2003.00710.x.

- Kõljalg, Urmas, et al. 2013. Towards a unified paradigm for sequence - based identification of fungi. *Molecular ecology*. 22 (21): 5271-5277.
- Kotrova, M., Trka, J., Kneba, M., dan Brüggemann, M. 2017. Is next-generation sequencing the way to go for residual disease monitoring in acute lymphoblastic Leukemia? *Molecular Diagnosis & Therapy*, 21 (5): pp. 481-492.
- Künstler, A., Gullner, G., Ádám, A. L., Kolozsváriné Nagy, J. K., Király, L. 2020. The Versatile Roles of Sulfur-Containing Biomolecules in Plant Defense—A Road to Disease Resistance. *Plants*, 9(12), 1705. doi:10.3390/plants9121705.
- Laforest-Lapointe, I., Messier, C., and Kembel, S. W. 2017. Host species identity, site and time drive temperate tree phyllosphere bacterial community structure. *Microbiome*. 4: 1–10.
- Lara-Victoriano, F., Castillo-Reyes, F., Flores-Gallegos, C., Aguilar, C. N., and Rodriguez-Herrera, R. 2011. Metagenomics in plant pathology. *Phytopathology*, 31 (2): 978-981.
- Latiffah, Z., M.I. Padzilah, S. Baharuddin and Z. Maziah. 2009. Short communication Fusarium species in forest soil of bird valley. *Malays. J. Microbiol.* 5:132-133.
- Lavahun, E.M.F. 1995. Depth and Time Function of Microbial Biomass in Ploughed and Grassland Typudalfts of Lower Saxony, Germany. *Thesis*. The Faculty of Agriculture. George-August-University Goettingen.
- Lawalata, M., Darwanto, D. H., dan Hartono, S. 2015. Efisiensi relatif usahatani bawang merah di Kabupaten Bantul dengan pendekatan Data Envelopment Analysis (DEA). *Ilmu Pertanian*. 18 (1): 1-8.
- Lemos, L. N., Fulthorpe, R. R., Triplett, E. W., and Roesch, L. F. 2011. Rethinking microbial diversity analysis in the high throughput sequencing era. *J. Microbiol. Methods* 86: 42-51.
- Lestiyani, A., Wibowo, A., and Subandiyah, A. 2021. Pathogenicity and Detection of Phytohormone (Gibberellic Acid and Indole Acetic Acid) Produced by Fusarium spp. that Causes Twisted Disease in Shallot. *JPT: Jurnal Proteksi Tanaman*. 5 (1): 24-33. doi: <https://doi.org/10.25077/jpt.5.1.24-33.2021>.
- Li W, He P, Jin J. 2009. Potassium influenced phenylalanine ammonia-lyase, peroxidases and polyphenol oxidases in Fusarium graminearum infected maize (*Zea mays L.*). *Proceedings of the International Plant Nutrition Colloquium XVI*.
- Lin, H.-R.; Shu, H.-Y.; Lin, G.-H. 2018. Biological roles of indole-3-acetic acid in *Acinetobacter baumannii*. *Microbiol. Res.* 216: 30–39.
- Liu, X., Zhang, J., Gu, T., Zhang, W., Shen, Q., Yin S., et al. 2014. Microbial community diversities and taxa abundances in soils along a seven-year gradient of potato monoculture using high throughput pyrosequencing approach. *PLoS One* 9: e86610. 10.1371/journal.pone.0086610.
- Lundberg, D. S. 2013. Practical innovations for high-throughput amplicon sequencing. *Nature methods*. 10 (10): 999-1002.
- Ma, G., Gao, X., Nan, J., Zhang, T., Xie, X., and Cai, Q. 2021. Fungicides alter the distribution and diversity of bacterial and fungal communities in ginseng fields, *Bioengineered*, 12(1): 8043-8056, doi: 10.1080/21655979.2021.1982277.

- Maestre, F. T., Castillo-Monroy, A. P., Bowker, M. A., & Ochoa-Hueso, R. 2011. Species richness effects on ecosystem multifunctionality depend on evenness, composition and spatial pattern. *Journal of Ecology*, 100(2), 317–330. doi: 10.1111/j.1365-2745.2011.01918x.
- Magoč, Tanja, and Steven L. S. 2011. FLASH: fast length adjustment of short reads to improve genome assemblies. *Bioinformatics*. 27 (21): 2957-2963.
- Mahyarudin. 2014. Studi metagenomik aktinomisetes berdasarkan gen 16S rRNA dan deteksi gen nifH pada tanah dan akar empat varietas tanaman padi dengan teknik DGGE. *Tesis*. Institut Pertanian Bogor, Bogor.
- Marzano, M., Fosso, B., Manzari, C., Grieco, F., Intranuovo, M., Cozzi, G., ... Santamaria, M. 2016. Complexity and Dynamics of the Winemaking Bacterial Communities in Berries, Musts, and Wines from Apulian Grape Cultivars through Time and Space. *PLOS ONE*, 11 (6), e0157383. doi: 10.1371/journal.pone.0157383.
- Meng, Q., Yang, W., Men, M., Bello, A., Xu, X., Xu, B., ... Zhu, H. 2019. Microbial Community Succession and Response to Environmental Variables During Cow Manure and Corn Straw Composting. *Frontiers in Microbiology*, 10. doi: 10.3389/fmicb.2019.00529.
- Meyer, M., and Kircher, M. 2010. Illumina sequencing library preparation for highly multiplexed target capture and sequencing. *Cold Spring Harbor protocols*, 6.
- Mills, P. R., Sreenivasaprasad, S., and Brown, A. E. 1992. Detection and differentiation of *Colletotrichum gloeosporioides* isolates using PCR. *FEMS Microbiology Letters*. 98 (1-3): 137-144. <https://doi.org/10.1111/j.1574-6968.1992.tb05503.x>.
- Mondal, K. K., Mani, C., Singh, J., Dave, S. R., Tipre, D. R., and Kurmar, A. 2012. Fruit rot of tinda caused by *Pseudomonas aeruginosa*-a new report from India. *Plant Dis*. 96: 141–141. doi: 10.1094/PDIS-05-11-0404.
- Mootian, G., Wu, W.-H., dan Matthews, K. R. 2009. Transfer of *Escherichia coli* O157:H7 from Soil, Water, and Manure Contaminated with Low Numbers of the Pathogen to Lettuce Plants. *Journal of Food Protection*, 72(11): 2308–2312. doi: 10.4315/0362-028x-72.11.2308.
- Mulyanto, B. S. 2013. Kajian Rekomendasi Pemupukan Berbagai Jenis Tanah pada Tanaman Jagung, Padi dan Ketela Pohon di Kabupaten Wonogiri. *Skripsi*. Fakultas Pertanian Universitas Sebelas Maret. Surakarta.
- Navas-Molina, J. A., Peralta-Sánchez, J. M., González, A., McMurdie, P. J., Vázquez-Baeza, Y., Xu, Z., Ursell, L. K., Lauber, C., Zhou, H., Song, S. J., et al. 2013. Advancing Our Understanding of the Human Microbiome Using QIIME. *Meth. Enzymol*. 531: 371-444.
- Neri, F., Mari, M., Brigati, S., and Bertolini, P. 2007. Fungicidal activity of plant volatile compounds for controlling *Monilinia laxa* in stone fruit. *Plant Dis*. 91, 30–35. doi: 10.1094/PD-91-0030.
- Nishijima, K. A., Wall, M. M., and Siderhurst, M. S. 2007. Demonstrating pathogenicity of *Enterobacter cloacae* on macadamia and identifying associated volatiles of gray kernel of macadamia in Hawaii. *Plant Dis*. 91: 1221–8.

- Notohadiprawiro, dan Tejoyuwono. 2000. Tanah dan Lingkungan. Pusat Studi. Yogyakarta
- Patz, S., Witzel, K., Scherwinski, A.-C., dan Ruppel, S. 2019. Culture Dependent and Independent Analysis of Potential Probiotic Bacterial Genera and Species Present in the Phyllosphere of Raw Eaten Produce. *International Journal of Molecular Sciences*, 20 (15), 3661. doi:10.3390/ijms20153661.
- Pavón M. A, González, I, Rojas, M., Pegels, N., Martín, R., García, T. 2011. PCR detection of *Alternaria* spp. in processed foods, based on the Internal Transcribed Spacer genetic marker. *J Food Prot.* 74:240–247.
- Pei, C., Mi, C., Sun, L., Liu, W., Li, O., & Hu, X. 2016. Diversity of endophytic bacteria of *Dendrobium officinale* based on culture-dependent and culture-independent methods. *Biotechnology & Biotechnological Equipment*, 31(1), 112–119. doi:10.1080/13102818.2016.1254067
- Peter K, dan Marie CZA. 2017. Mechanism of Antifungal Triazoles and Related Drugs: Electron Transfer, Reactive Oxygen Species and Oxidative Stress. *SOJ Microbiol Infect Dis.* 5 (5): 1-9. doi: 10.15226/sojmid/5/5/00182.
- Plasencia-Márquez, O., Corzo-López, M., Martínez Zubiaur, Y., Rivero, D., Devescovi, G., and Venturi, V. 2017. First report of soybean (*Glycine max*) disease caused by *Pseudomonas aeruginosa* in Cuba. *Plant Dis.* 101:11.
- Pratiwi, A. H. 2018. Uji Efektivitas Fungisida Propineb 70% Terhadap Penyakit Bercak Ungu Yang Disebabkan Oleh Jamur *Alternaria Porri* Pada Tanaman Bawang Merah Dan Pengaruhnya Terhadap Jamur Filosfer Secara In Vitro. *Thesis*, Universitas Brawijaya.
- Price, L. B., Liu, C. M., Melendez, J. H., Frankel, Y. M., Engelthaler, D., Aziz, M., et al. 2009. Community analysis of chronic wound bacteria using 16S rRNA gene-based pyrosequencing: impact of diabetes and antibiotics on chronic wound microbiota. *PLoS ONE.* 4: e6462. doi: 10.1371/journal.pone.0006462.
- Propst, C., & Lubin, L. 1979. Light-mediated Changes in Pigmentation of *Pseudomonas aeruginosa* Cultures. *Journal of General Microbiology*, 113(2), 261–266. doi: 10.1099/00221287-113-2-261.
- Quintana-Rodriguez, E., Rivera-Macias, L. E., Adame-Alvarez, R. M., Torres, J. M., and Heil, M. 2018. Shared weapons in fungus-fungus and fungus-plant interactions? Volatile organic compounds of plant or fungal origin exert direct antifungal activity in vitro. *Fungal Ecol.* 33, 115–121. doi: 10.1016/j.funeco.2018.02.005.
- Radojčić, A., Li, X., dan Zhang, Y. 2018. Salicylic Acid: A Double-Edged Sword for Programed Cell Death in Plants. *Frontiers in Plant Science*, 9. doi: 10.3389/fpls.2018.01133.
- Richard, A. Long., dan Farooq, Azam. 2001. Antagonistic Interactions Among Marine Pelagic Bacteria. *Journal Applied Environment Microbiol.*
- Samedi, L., dan Charles, A. L. 2019. Isolation and characterization of potential probiotic *Lactobacilli* from leaves of food plants for possible additives in pellet feeding. *Annals of Agricultural Sciences.* doi: 10.1016/j.aosas.2019.05.004

- Schaad, N. W., Jones, J. B., Chun, W. 2001. Laboratory guide for the identification of plant pathogenic bacteria (No. Ed.3). *American Phytopathological Society* (APS Press).
- Schloss, P. D., and Handelsman, J. 2005. Metagenomics for studying unculturable microorganisms: cutting the Gordian knot. *Genome Biology*. 6 (8). doi: 10.1186/gb-2005-6-8-229.
- Schwartz, H. F. 2008. Compendium of onion and garlic diseases and pests, Second Edition. Schwartz, H. F., and Mohan, S. K., eds. The American Phytopathological Society. Press, St. Paul, Minnesota, U.S.A. <https://doi.org/10.1094/9780890545003>.
- Sekine, T., Sugano, M., Azizi, M., and Fujii, Y. 2007. Antifungal effects of volatile compounds from Black zira (*Bunium persicum*) and other spices and herbs. *J. Chem. Ecol.* 33, 2123–2132. DOI: 10.1007/s10886-007-9374-2.
- Semangun, H. 2000. *Penyakit-Penyakit Tanaman Hortikultura di Indonesia*. Edisi ke-4. Gadjah Mada University Press. Yogyakarta.
- Shade, A., dan Handelsman, J. 2011. Beyond the Venn diagram: the hunt for a core microbiome. *Environmental Microbiology*. 14 (1): 4–12. doi: 10.1111/j.1462-2920.2011.02585.x
- Shen, T.J., Chao, A., and Ling, C. 2003. Predicting the number of new species in further taxonomic sampling. *Ecology*. 84: 798-804.
- Shi, G., Sun, H., Calderón-Urrea, A., Jia, X., Yang, H., Su, G. 2020. Soil Fungal Diversity Loss and Appearance of Specific Fungal Pathogenic Communities Associated with the Consecutive Replant Problem (CRP) in Lily. *Front Microbiol.* 11: 1649. doi: 10.3389/fmicb.2020.01649.
- Shi, Y., Lou, K., Li, C. 2011. Growth promotion effects of the endophyte *Acinetobacter johnsonii* strain 3-1 on sugar beet. *Symbiosis*, 54: 159–166.
- Siegel-Hertz. K., Edel-Hermann, V., Chapelle, E., Terrat, S., Raaijmakers, J. M and Steinberg, C. 2018. Comparative Microbiome Analysis of a Fusarium Wilt Suppressing Soil and a Fusarium Wilt Conducive Soil From the Châteaurenard Region. *Front. Microbiol.* 9:568. doi: 10.3389/fmicb.2018.00568
- Simas, D. L. R., de Amorim, S. H. B. M., Goulart, F. R. V., Alviano, C. S., Alviano, D. S., and da Silva, A. J. R. 2017. Citrus species essential oils and their components can inhibit or stimulate fungal growth in fruit. *Ind. Crop. Prod.* 98, 108–115. doi: 10.1016/j.indcrop.2017.01.026.
- Simatupang, D. 2008. Berbagai Mikroorganisme Rizosfer Pada Tanaman Pepaya Dipusat Kajian Buah–Buah Tropika IPB Desa Ciomas, Kecamatan Pasir Kuda Kabupaten Bogor, Jawa Barat. Institut Pertanian Bogor, Bogor.
- Simpson, E.H. 1949. Measurement of diversity. *Nature*, 163: 688.
- Sitompul, G. S. S., Yetti, H., dan Murniati. 2017. Pengaruh Pemberian Pupuk Kandang dan KCl Terhadap Pertumbuhan dan Produksi Tanaman Bawang Merah (*Allium ascalonicum* L.). *JOM FAPERTA*. 4 (1).
- Smets, W., and Koskella, B. 2020. Microbiome: Insect Herbivory Drives Plant Phyllosphere Dysbiosis. *Current Biology*. 30 (9): R412–R414. doi: 10.1016/j.cub.2020.03.039.

- Somerfield, P. J., Clarke, K. R., dan Gorley, R. N. 2021. A generalised analysis of similarities (ANOSIM) statistic for design with ordered factors. *Austral Ecology*. <https://doi.org/10.1111/aec.13043>.
- Sticher, L., B. Mauch-Mani, dan J. P. Mettraux. 1997. Systemic acquired resistance. *Annu Rev Phytopathol*. 35: 235-70.
- Stumpf, S., Kvitko, B., and Dutta, B. 2018. Isolation and characterization of novel *Pantoea stewartii* subsp. *indologenes* strains exhibiting center rot in onion. *Plant Dis*. 102: 727–733.
- Subardja, D., Ritung S., Andam M., Sukarman, Suryani, E., dan Subandiono, R. E. 2014. Petunjuk Teknis Klasifikasi Tanah Nasional. Balai Besar Penelitian dan Pengembangan Sumberdaya Lahan Pertanian, Badan Penelitian dan Pengembangan Pertanian, Bogor.
- Subari, A., Razak, A., Sumarmin, R. 2021. Phylogenetic Analysis of *Rasbora* spp. Based on the Mitochondrial DNA COI gene in Harapan Forest. *Jurnal Biologi Tropis*, 21 (1): 89–94.
- Sun, G., Zhang, H., Wei, Q., Zhao, C., Yang, X., Wu, X., Xia, T., Liu, G., Zhang, L., Gao, Y., Sha, W, dan Li, Y. 2019. Comparative Analyses of Fecal Microbiota in European Mouflon (*Ovis orientalis musimon*) and Blue Sheep (*Pseudois nayaur*) Living at Low or High Altitudes. *Front. Microbiol*. 10: 1735. doi: 10.3389/fmicb.2019.01735
- Supyani, S. H. Poromarto, Supriyadi, Hadiwiyono. 2021. Moler Disease of Shallot in the Last Three Years at Brebes Central Java: The Intensity and Resulting Yields Losses is Increasing. *IOP Conf. Series: Earth and Environmental Science* 810 (2021) 012004. doi:10.1088/1755-1315/810/1/012004
- Suratissa, D. M., and Rathnayake, U. S. 2016. Diversity and distribution of fauna of the Nasese Shore, Suva, Fiji, Islands with reference to existing threats to the biota. *Journal of Asia-Pacific Biodiversity*. 9: 11-16.
- Sutejo, A. M., Priyatmojo, A., dan Wibowo, A. 2008. Identifikasi morfologi beberapa spesies jamur *Fusarium*. *Jurnal Fitopatologi Indonesia*. 14 (1): 7-13.
- Suwandi, Sopha, G. A., dan Yufdy, M. P. 2015. Efektivitas Pengelolaan Pupuk Organik, NPK, dan Pupuk Hayati terhadap Pertumbuhan dan Hasil Bawang Merah (The Effectiveness of Organic Fertilizer, NPK, and Biofertilizer Managements on Growth and Yields of Shallots). *J. Hort*. 25 (3): 208–221.
- Swofford, D.L. and Sullivan, J. 2009. In *The Phylogenetic Handbook: A Practical Approach to Phylogenetic Analysis and Hypothesis Testing*. Cambridge: Cambridge University Press.
- Taylor, M. W., Tsai, P., Anfang, N., Ross, H. A., dan Goddard, M. R. 2014. Pyrosequencing reveals regional differences in fruit-associated fungal communities. *Environmental Microbiology*. 16: 2848–2858. doi: 10.1111/1462-2920.12456.
- Thapa, S., dan Prasanna, R. 2018. Prospecting the characteristics and significance of the phyllosphere microbiome. *Ann Microbiol*. 68, 229–245.
- Tiancang Z., Zhao H., Huang L., Xi H., Zhou D., dan Cheng J. 2008. Efficacy of Propineb for Controlling Leaf Blotch Caused by *Marssonina coronaria* and its

Effect on Zinc Content in Apple Leaves. *J. Acta Phytophylla Sinica*. 35 (6): 519-524.

Tjitrosoepomo, G. 2010. Morfologi Tumbuhan. Yogyakarta: UGM Press.

Trivedi, P., Leach, J. E., Tringe, S. G., Sa, T., dan Singh, B. K. 2020. Plant–microbiome interactions: from community assembly to plant health. *Nature Reviews Microbiology*. 18 (11): 607–621. doi: 10.1038/s41579-020-0412-1.

Tsuji, M., Kadota, I. 2020. Identification and phylogenetic analysis of *Burkholderia cepacia* complex bacteria isolated from rot of onion bulbs in Tohoku region of Japan. *J Gen Plant Pathol* 86: 376–386. <https://doi.org/10.1007/s10327-020-00937-z>

Tucker, C. M., Marc W. C., Silvia B. C., Davies T. J., Simon F., Susanne A. F., Rich G., and Mattherw, R. H. 2017. A guide to phylogenetic metrics for conservation, community ecology and macroecology. *Biol Rev Camb Philos Soc*. 92 (2): 698-715.

Udiarto, B. K., Setiawati, W., dan Suryaningsih, E. 2005. Pengenalan Hama dan Penyakit pada Tanaman Bawang Merah dan Pengendaliannya. Balai Penelitian Tanaman Sayuran, Bandung.

Vereecke, D., Zhang, Y., Francis, I. M., Lambert, P. Q., Venneman, J., Stamler, R. A., Kilcrease, J., Randall, J. J. 2020. Functional Genomics Insights into the Pathogenicity, Habitat Fitness, and Mechanisms Modifying Plant Development of *Rhodococcus* sp. PBTS1 and PBTS2. *Frontiers in Microbiology*, 11. doi:10.3389/fmicb.2020.00014.

Verma, S., Adak, A., Prasanna, R., Dhar, S., Choudhary, H., Nain, L., dan Shivay, Y. S. 2016. Microbial priming elicits improved plant growth promotion and nutrient uptake in pea. *Israel Journal of Plant Sciences*, 63 (3): 191–207. doi: 10.1080/07929978.2016.1200352

Voulhoux, R., Filloux, A., & Schalk, I. J. 2006. Pyoverdine-Mediated Iron Uptake in *Pseudomonas aeruginosa*: the Tat System Is Required for PvdN but Not for FpvA Transport. *Journal of Bacteriology*. 188 (9): 3317–3323. doi:10.1128/jb.188.9.3317-3323.2006

Wagner, B. D., Grunwald, G. K., Zerbe, G. O., Mikulich-Gilbertson, S. K., Robertson, C. E., Zemanick, E. T., & Harris, J. K. 2018. On the Use of Diversity Measures in Longitudinal Sequencing Studies of Microbial Communities. *Frontiers in Microbiology*, 9. doi: 10.3389/fmicb.2018.01037.

Wang, M., Zheng, Q., Shen, Q., & Guo, S. 2013. The Critical Role of Potassium in Plant Stress Response. *International Journal of Molecular Sciences*, 14(4), 7370–7390. doi: 10.3390/ijms14047370.

Wang, Y., Brons, J. K., van Elsas, J. D. 2021. Considerations on the Identity and Diversity of Organisms Affiliated with *Sphingobacterium multivorum*—Proposal for a New Species, *Sphingobacterium paramultivorum*. *Microorganisms*, 9, 2057. <https://doi.org/10.3390/microorganisms9102057>.

White, James R., Niranjana N., and Mihai P. 2009. Statistical methods for detecting differentially abundant features in clinical metagenomic samples. *PLoS computational biology*. 5 (4): e1000352.

- Wibowo, A., Kaeni, E., Toekidjo, T., Subandiyah, S., Sulistyaningsih, E., and Harper, S. 2016. Responses of four shallot (*Allium cepa* L. Aggregatum Group) cultivars to twisted disease (*Fusarium* spp.) after bulb treatment. *Acta Horticulturae*, 1143: 69–76. doi: 10.17660/actahortic.2016.1143.11.
- Wibowo, A., Santika, I. A., Syafitri, L. M., Widiastuti, A., Subandiyah, S. 2022. Incidence of moler disease and cultivation practice of shallot farmers in Bantul Coastal Area, Yogyakarta, Indonesia. *Journal of Tropical Plant Pests and Diseases* (submitted).
- Widiasmadi, N. 2021. Simulation of the Number of Microbial Populations for Fertility Optimization in Gromosol Soils Using Digital Smart Biosoidam Technology. *Sys Rev Pharm*. 12 (4): 154-159.
- Wijoyo, R. B., Sulistyaningsih, E., and Wibowo, A. 2020. Growth, Yield and Resistance Responses of Three Cultivars on True Seed Shallots to Twisted Disease with Salicylic Acid Application. *Journal of Sustainable Agriculture* 35 (1): 1-11.
- Wilhelm, B. T., and Landry, J. R. 2009. RNA-Seq-quantitative measurement of expression through massively parallel RNA sequencing. *Methods*. 48: 249–57.
- Wiyatiningsih, S. 2007. Studi Epidemi Penyakit Moler pada Bawang Merah. *Disertasi* PS. Fitopatologi UGM. Yogyakarta.
- Wiyatiningsih, S. 2010. Pengelolaan Epidemi Penyakit Moler pada Bawang Merah. Surabaya: UPN University Press.
- Wiyatiningsih, S. 2011. Populasi *Fusarium oxysporum* f.sp. *cepae*, intensitas penyakit moler, dan hasil umbi bawang merah di tiga daerah sentra produksi. Surabaya: UPN University Press.
- Xie J, Strobel GA, Feng T, Ren H, Mends MT, Zhou Z, Geary B. 2015. An endophytic *Coniochaeta velutina* producing broad spectrum antimycotics. *J Microbiol*. 53 (6): 390-7. doi: 10.1007/s12275-015-5105-5.
- Yabuuchi E, Kosako Y, Oyaizu H, et al. 1992. Proposal of *Burkholderia* gen. nov. and transfer of seven species of the genus *Pseudomonas* homology group II to the new genus, with the type species *Burkholderia cepacia* (Palleroni and Holmes 1981) comb. nov. *Microbiol Immunol*. 36: 1251–1275.
- Yuan, J., Zhao, J., Wen, T., Zhao, M., Li, R., Goossens, P., et al. 2018. Root exudates drive the soil-borne legacy of aboveground pathogen infection. *Microbiome*. 6 (1): 156. <https://doi.org/10.1186/s40168-018-0537-x>.
- Yurgel, S. N., Douglas, G. M., Comeau, A. M., Mammoliti, M., Dusault, A., Percival, D., and Langille, M. G. I. 2017. Variation in Bacterial and Eukaryotic Communities Associated with Natural and Managed Wild Blueberry Habitats. *Phytobiomes*, 1 (2), 102–113. doi: 10.1094/pbiomes-03-17-0012-r.
- Zarraonaindia, I., Owens, S. M., Weisenhorn, P., West, K., Hampton-Marcell, J., Lax, S., Bokulich, N. A., Mills, D. A., Martin, G., Taghavi, S., Lelie, D., dan Gilbert, J. A. 2015. The Soil Microbiome Influences Grapevine-Associated Microbiota. *mBio*, 6 (2). DOI: 10.1128/mbio.02527-14.