



DAFTAR PUSTAKA

- Abdali, N., Younas, F., Mafakheri, S., Pothula, K. R., Kleinekathöfer, U., Tauch, A., & Benz, R. (2018). Identification and characterization of smallest pore-forming protein in the cell wall of pathogenic *Corynebacterium urealyticum* DSM 7109. *BMC biochemistry*, 19(1), 3. <https://doi.org/10.1186/s12858-018-0093-9>
- Ahmed, M. E. (2018). The study of Bacteriocin of *Pseudomonas fluorescens* and *Citrus limon* effects against *Propionibacterium acnes* and *Staphylococcus epidermidis* in acne patients. *Journal of Physics: Conference Series*, 1003, 012004. <https://doi.org/10.1088/1742-6596/1003/1/012004>
- Al-Shenqiti, A., Bahashwan, S. A., Ghanem, S., Manzoor, N., & El, S. H. M. (2017). Nosocomial infections in intensive care and medical rehabilitation units, and evaluation of antibiotics prescription. *African Journal of Microbiology Research*, 11(20), 776–783. <https://doi.org/10.5897/AJMR2017.8487>
- Alam, M. J., Anu, A., Walk, S. T., & Garey, K. W. (2014). Investigation of potentially pathogenic *Clostridium difficile* contamination in household environs. *Anaerobe*, 27, 31–33. <https://doi.org/10.1016/j.anaerobe.2014.03.002>
- Albertson, D., Natsios, G. A., & Gleckman, R. (1978). Septic shock with *Micrococcus luteus*. *Archives of internal medicine*, 138(3), 487–488.
- Alhasawi, A., Auger, C., Appanna, V. P., Chahma, M., & Appanna, V. D. (2014). Zinc toxicity and ATP production in *Pseudomonas fluorescens*. *Journal of applied microbiology*, 117(1), 65–73. <https://doi.org/10.1111/jam.12497>
- Almagro-Molto, M., Suerbaum, S., & Schubert, S. (2019). Ulcerative keratitis due to *Kocuria palustris*: An emerging pathogen. *Enfermedades Infecciosas y Microbiología Clínica*, 37(6), 422–423. <https://doi.org/10.1016/j.eimc.2018.10.016>
- Alouane, T., Uwingabiye, J., Lemnouer, A., Lahlou, L., Laamarti, M., Kartti, S., Benhrif, O., El Misbahi, H., Frikh, M., Benlahlou, Y., Bssaibis, F., El Abbassi, S., Kabbage, S., Maleb, A., Elouennass, M., & Ibrahimi, A. (2017). First whole-genome sequences of two multidrug-resistant *acinetobacter baumannii* strains isolated from a moroccan hospital floor. *Genome Announcements*, 5(18). <https://doi.org/10.1128/genomeA.00298-17>
- Alp, E., & Damani, N. (2015). Healthcare-associated infections in Intensive Care Units: Epidemiology and infection control in low-to-middle income countries. *The Journal of Infection in Developing Countries*, 9(10), 1040–1045. <https://doi.org/10.3855/jidc.6832>
- Ambardar, S., Gupta, R., Trakroo, D., Lal, R., & Vakhlu, J. (2016). High Throughput Sequencing: An Overview of Sequencing Chemistry. *Indian journal of microbiology*, 56(4), 394–404. <https://doi.org/10.1007/s12088-016-0606-4>
- Ames, N. J., Ranucci, A., Moriyama, B., & Wallen, G. R. (2017). The Human Microbiome and Understanding the 16S rRNA Gene in Translational



Nursing Science. *Nursing research*, 66(2), 184–197.
<https://doi.org/10.1097/NNR.00000000000000212>

Andersen, B. M., Rasch, M., Kvist, J., Tollefsen, T., Lukkassen, R., Sandvik, L., & Welo, A. (2009). Floor cleaning: Effect on bacteria and organic materials in hospital rooms. *Journal of Hospital Infection*, 71(1), 57–65.
<https://doi.org/10.1016/j.jhin.2008.09.014>

Arikan, K., Aykan, H.H., Kara, A., & Cengiz, A.B. (2018). Pseudomonas oleovorans Endocarditis in a Child: The First Reported Case. *Journal of Pediatric Infection*. <https://doi.org/10.5578/ced.67267>

Ayliffe, G. A., Collins, B. J., & Lowbury, E. J. (1966). Cleaning and disinfection of hospital floors. *BMJ*, 2(5511), 442–445.
<https://doi.org/10.1136/bmj.2.5511.442>

Ayliffe, G. A. J., Collins, B. J., Lowbury, E. J. L., Babb, J. R., & Lilly, H. A. (1967). Ward floors and other surfaces as reservoirs of hospital infection. *Epidemiology and Infection*, 65(4), 515–536.
<https://doi.org/10.1017/S0022172400046052>

Baliton, R., Landicho, L., Cabahug, R. E., Roselyn F. Paelmo, Laruan, K., Rodriguez, R., Roberto G. Visco, & Arnold Karl A. Castillo. (2020). Ecological services of agroforestry systems in selected upland farming communities in the Philippines. *Biodiversitas Journal of Biological Diversity*, 21(2). <https://doi.org/10.13057/biodiv/d210237>

Besser, J., Carleton, H. A., Gerner-Smidt, P., Lindsey, R. L., & Trees, E. (2018). Next-generation sequencing technologies and their application to the study and control of bacterial infections. *Clinical microbiology and infection : the official publication of the European Society of Clinical Microbiology and Infectious Diseases*, 24(4), 335–341.
<https://doi.org/10.1016/j.cmi.2017.10.013>

Blakeman, J. T., Morales-García, A. L., Mukherjee, J., Gori, K., Hayward, A. S., Lant, N. J., & Geoghegan, M. (2019). Extracellular DNA Provides Structural Integrity to a *Micrococcus luteus* Biofilm. *Langmuir : the ACS journal of surfaces and colloids*, 35(19), 6468–6475.
<https://doi.org/10.1021/acs.langmuir.9b00297>

Brown, K. A., MacDougall, L. K., Valenta, K., Simor, A., Johnstone, J., Mubareka, S., Broukhanski, G., Garber, G., McGeer, A., & Daneman, N. (2018). Increased environmental sample area and recovery of *Clostridium difficile* spores from hospital surfaces by quantitative PCR and enrichment culture. *Infection Control & Hospital Epidemiology*, 39(8), 917–923.
<https://doi.org/10.1017/ice.2018.103>

Burgmann, H., Hiesmayr, J. M., Savey, A., Bauer, P., Metnitz, B., & Metnitz, P. G. H. (2010). Impact of nosocomial infections on clinical outcome and resource consumption in critically ill patients. *Intensive Care Medicine*, 36(9), 1597–1601. <https://doi.org/10.1007/s00134-010-1941-2>

Burnham, K. P., & Overton, W. S. (1979). Robust estimation of population size when capture probabilities vary among animals. *Ecology*, 60(5), 927–936.
<https://doi.org/10.2307/1936861>



- Cappuccino, L., Bottino, P., Torricella, A., & Pontremoli, R. (2014). Nephrolithiasis by *Corynebacterium urealyticum* infection: literature review and case report. *Journal of nephrology*, 27(2), 117–125. <https://doi.org/10.1007/s40620-014-0064-1>
- Chander, A. M., Nair, R. G., Kaur, G., Kochhar, R., Mayilraj, S., Dhawan, D. K., & Bhadada, S. K. (2016). Genome sequence of *kocuria palustris* strain cd07_3 isolated from the duodenal mucosa of a celiac disease patient. *Genome Announcements*, 4(2). <https://doi.org/10.1128/genomeA.00210-16>
- Chao, A. (1987). Estimating the population size for capture-recapture data with unequal catchability. *Biometrics*, 43(4), 783. <https://doi.org/10.2307/2531532>
- Chao, A., & Shen, T.-J. (2003). [No title found]. *Environmental and Ecological Statistics*, 10(4), 429–443. <https://doi.org/10.1023/A:1026096204727>
- Chapartegui-González, I., Fernández-Martínez, M., Rodríguez-Fernández, A., Rocha, D., Aguiar, E., Pacheco, L., Ramos-Vivas, J., Calvo, J., Martínez-Martínez, L., & Navas, J. (2020). Antimicrobial Susceptibility and Characterization of Resistance Mechanisms of *Corynebacteriumurealyticum* Clinical Isolates. *Antibiotics (Basel, Switzerland)*, 9(7), 404. <https://doi.org/10.3390/antibiotics9070404>
- Chowdhry, R., Singh, N., Sahu, D. K., Tripathi, R. K., Mishra, A., Singh, A., Shyam, H., Shankar, P., Lal, N., Bhatt, M. L. B., & Kant, R. (2018). 16S rrna long-read sequencing of the granulation tissue from nonsmokers and smokers-severe chronic periodontitis patients. *BioMed Research International*, 2018, 1–10. <https://doi.org/10.1155/2018/4832912>
- Clarridge J. E., 3rd (2004). Impact of 16S rRNA gene sequence analysis for identification of bacteria on clinical microbiology and infectious diseases. *Clinical microbiology reviews*, 17(4), 840–862. <https://doi.org/10.1128/CMR.17.4.840-862.2004>
- D'Amore, R., Ijaz, U. Z., Schirmer, M., Kenny, J. G., Gregory, R., Darby, A. C., Shakya, M., Podar, M., Quince, C., & Hall, N. (2016). A comprehensive benchmarking study of protocols and sequencing platforms for 16S rRNA community profiling. *BMC Genomics*, 17(1), 55. <https://doi.org/10.1186/s12864-015-2194-9>
- Dai, W., Zhu, Y., Wang, X., Sakenova, N., Yang, Z., Wang, H., Li, G., He, J., Huang, D., Cai, Y., Guo, W., Wang, Q., Feng, T., Fan, Q., Zheng, T., & Han, A. (2016). Draft genome sequence of the bacterium *comamonas aquatica* cjc. *Genome Announcements*, 4(6). <https://doi.org/10.1128/genomeA.01186-16>
- Daly, A., Baetens, J., & De Baets, B. (2018). Ecological diversity: Measuring the unmeasurable. *Mathematics*, 6(7), 119. <https://doi.org/10.3390/math6070119>
- Dancer, S. J. (1999). Mopping up hospital infection. *Journal of Hospital Infection*, 43(2), 85–100. <https://doi.org/10.1053/jhin.1999.0616>
- Darge, A., Kahsay, A. G., Hailekiros, H., Niguse, S., & Abdulkader, M. (2019). Bacterial contamination and antimicrobial susceptibility patterns of intensive care units medical equipment and inanimate surfaces at Ayder



- Comprehensive Specialized Hospital, Mekelle, Northern Ethiopia. *BMC Research Notes*, 12(1), 621. <https://doi.org/10.1186/s13104-019-4658-5>
- Davidson, R. M., & Epperson, L. E. (2018). Microbiome Sequencing Methods for Studying Human Diseases. *Methods in molecular biology* (Clifton, N.J.), 1706, 77–90. https://doi.org/10.1007/978-1-4939-7471-9_5
- De Lorenzi, S., Finzi, G., Parmiggiani, R., Cugini, P., Cacciari, P., & Salvatorelli, G. (2006). Comparison of floor sanitation methods. *Journal of Hospital Infection*, 62(3), 346–348. <https://doi.org/10.1016/j.jhin.2005.09.021>
- de Muinck, E. J., Trosvik, P., Gilfillan, G. D., Hov, J. R., & Sundaram, A. Y. M. (2017). A novel ultra high-throughput 16S rRNA gene amplicon sequencing library preparation method for the Illumina HiSeq platform. *Microbiome*, 5(1), 68. <https://doi.org/10.1186/s40168-017-0279-1>
- de Paiva-Santos, W., de Sousa, V. S., & Giambiagi-deMarval, M. (2018). Occurrence of virulence-associated genes among *Staphylococcus saprophyticus* isolated from different sources. *Microbial pathogenesis*, 119, 9–11. <https://doi.org/10.1016/j.micpath.2018.03.054>
- Deshpande, A., Cadnum, J. L., Fertelli, D., Sitzlar, B., Thota, P., Mana, T. S., Jencson, A., Alhmidi, H., Koganti, S., & Donskey, C. J. (2017). Are hospital floors an underappreciated reservoir for transmission of health care-associated pathogens? *American Journal of Infection Control*, 45(3), 336–338. <https://doi.org/10.1016/j.ajic.2016.11.005>
- Deutch C. E. (2020). Inhibition of urease activity in the urinary tract pathogens *Staphylococcus saprophyticus* and *Proteus mirabilis* by dimethylsulfoxide (DMSO). *Journal of applied microbiology*, 128(5), 1514–1523. <https://doi.org/10.1111/jam.14560>
- Dharan, S., Mourouga, P., Copin, P., Bessmer, G., Tschanz, B., & Pittet, D. (1999). Routine disinfection of patients' environmental surfaces. Myth or reality? *Journal of Hospital Infection*, 42(2), 113–117. <https://doi.org/10.1053/jhin.1999.0567>
- Dhyani, A., Gupta, V., Chauhan, A., Seshendra Kumar, R. N., & Chakravarty, S. (2019). Meningitis caused by *micrococcus luteus*: Case report and review of literature. *IP International Journal of Medical Microbiology and Tropical Diseases*, 5(1), 63–64. <https://doi.org/10.18231/2581-4761.2019.0015>
- Dib, J. R., Liebl, W., Wagenknecht, M., Farías, M. E., & Meinhardt, F. (2013). Extrachromosomal genetic elements in *Micrococcus*. *Applied microbiology and biotechnology*, 97(1), 63–75. <https://doi.org/10.1007/s00253-012-4539-5>
- Donnarumma, G., Buommino, E., Fusco, A., Paoletti, I., Auricchio, L., & Tufano, M. A. (2010). Effect of temperature on the shift of *Pseudomonas fluorescens* from an environmental microorganism to a potential human pathogen. *International journal of immunopathology and pharmacology*, 23(1), 227–234. <https://doi.org/10.1177/039463201002300120>
- Donskey, C. J. (2019). Beyond high-touch surfaces: Portable equipment and floors as potential sources of transmission of health care-associated



- pathogens. *American Journal of Infection Control*, 47, A90–A95. <https://doi.org/10.1016/j.ajic.2019.03.017>
- Dziri, R., Klibi, N., Lozano, C., Ben Said, L., Bellaaj, R., Tenorio, C., Boudabous, A., Ben Slama, K., & Torres, C. (2016). High prevalence of *Staphylococcus haemolyticus* and *Staphylococcus saprophyticus* in environmental samples of a Tunisian hospital. *Diagnostic microbiology and infectious disease*, 85(2), 136–140. <https://doi.org/10.1016/j.diagmicrobio.2016.03.006>
- Ehlers S, Merrill SA. *Staphylococcus Saprophyticus*. [Updated 2021 Jul 1]. In: StatPearls [Internet]. Treasure Island (FL): StatPearls Publishing; 2021 Jan-. Available from: <https://www.ncbi.nlm.nih.gov/books/NBK482367/>
- Espana, E. A. A., & Parsh, B. (2020). Pathogens on hospital floors really get around. *Nursing*, 50(8), 11–11. <https://doi.org/10.1097/01.NURSE.0000684240.72828.29>
- Facciolà, A., Pellicanò, G. F., Visalli, G., Paolucci, I. A., Rullo, E. V., Ceccarelli, M., D'Aleo, F., Di Pietro, A., Squeri, R., Nunnari, G., & La Fauci, V. (2019). The role of the hospital environment in the healthcare-associated infections: A general review of the literature. *European Review for Medical and Pharmacological Sciences*, 23(3), 1266–1278. https://doi.org/10.26355/eurrev_201902_17020
- Faccone, D., Pasteran, F., Albornoz, E., Gonzalez, L., Veliz, O., Prieto, M., Bucciarelli, R., Callejo, R., & Corso, A. (2014). Human infections due to *Pseudomonas chlororaphis* and *Pseudomonas oleovorans* harboring new bla(VIM-2)-borne integrons. *Infection, genetics and evolution : journal of molecular epidemiology and evolutionary genetics in infectious diseases*, 28, 276–277. <https://doi.org/10.1016/j.meegid.2014.10.012>
- Falahi, J., Khaledi, A., Alikhani, M. Y., Taghipour, A., Amel Jamehdar, S., Honarmand, M., & Ghazvini, K. (2017). Prevalence of nosocomial infection in different wards of ghaem hospital, mashhad. *Avicenna Journal of Clinical Microbiology and Infection*, 4(2), 40297–40297. <https://doi.org/10.5812/ajcmi.40297>
- Fan, Y., Jin, Z., Tong, J., Li, W., Pasciak, M., Gamian, A., Liu, Z., & Huang, Y. (2002). *Rothia amarae* sp. Nov., from sludge of a foul water sewer. *International Journal of Systematic and Evolutionary Microbiology*, 52(6), 2257–2260. <https://doi.org/10.1099/00207713-52-6-2257>
- Fernández-Natal, I., Guerra, J., Alcoba, M., Cachón, F., & Soriano, F. (2001). Bacteremia caused by multiply resistant corynebacterium urealyticum: six case reports and review. *European journal of clinical microbiology & infectious diseases : official publication of the European Society of Clinical Microbiology*, 20(7), 514–517. <https://doi.org/10.1007/pl00011297>
- Figdor, D., & Gulabivala, K. (2008). Survival against the odds: Microbiology of root canals associated with post-treatment disease: Microbiology of post-treatment disease. *Endodontic Topics*, 18(1), 62–77. <https://doi.org/10.1111/j.1601-1546.2011.00259.x>



- Flores-Mireles, A. L., Walker, J. N., Caparon, M., & Hultgren, S. J. (2015). Urinary tract infections: epidemiology, mechanisms of infection and treatment options. *Nature reviews. Microbiology*, 13(5), 269–284. <https://doi.org/10.1038/nrmicro3432>
- Fontana, I., Bertocchi, M., Rossi, A. M., Gasloli, G., Santori, G., Ferro, C., Patti, V., Rossini, A., & Valente, U. (2010). *Corynebacterium urealyticum* infection in a pediatric kidney transplant recipient: case report. *Transplantation proceedings*, 42(4), 1367–1368. <https://doi.org/10.1016/j.transproceed.2010.03.054>
- Galvin, J., Almatroudi, A., Vickery, K., Deva, A., Lopes, L. K. O., Costa, D. de M., & Hu, H. (2016). Patient shoe covers: Transferring bacteria from the floor onto surgical bedsheets. *American Journal of Infection Control*, 44(11), 1417–1419. <https://doi.org/10.1016/j.ajic.2016.03.020>
- Gautam, L., Kaur, R., Kumar, S., Bansal, A., Gautam, V., Singh, M., & Ray, P. (2015). *Pseudomonas oleovorans* Sepsis in a Child: The First Reported Case in India. *Japanese journal of infectious diseases*, 68(3), 254–255. <https://doi.org/10.7883/yoken.JJID.2014.174>
- Good, I. J. (1953). The population frequencies of species and the estimation of population parameters. *Biometrika*, 40(3/4), 237. <https://doi.org/10.2307/2333344>
- Guimarães, L., Soares, S., Trost, E., Blom, J., Ramos, R., Silva, A., Barh, D., & Azevedo, V. (2015). Genome informatics and vaccine targets in *Corynebacterium urealyticum* using two whole genomes, comparative genomics, and reverse vaccinology. *BMC genomics*, 16 Suppl 5(Suppl 5), S7. <https://doi.org/10.1186/1471-2164-16-S5-S7>
- Gurney, R., & Thomas, C. M. (2011). Mupirocin: biosynthesis, special features and applications of an antibiotic from a gram-negative bacterium. *Applied microbiology and biotechnology*, 90(1), 11–21. <https://doi.org/10.1007/s00253-011-3128-3>
- Hambraeus, A., Bengtsson, S., & Laurell, G. (1978). Bacterial contamination in a modern operating suite. 3. Importance of floor contamination as a source of airborne bacteria. *Journal of Hygiene*, 80(2), 169–174. <https://doi.org/10.1017/S0022172400053511>
- Hambraeus, A., & Malmborg, A.-S. (1979). The influence of different footwear on floor contamination. *Scandinavian Journal of Infectious Diseases*, 11(3), 243–246. <https://doi.org/10.3109/inf.1979.11.issue-3.12>
- Harris, D. D., Pacheco, A., & Lindner, A. S. (2010). Detecting potential pathogens on hospital surfaces: An assessment of carpet tile flooring in the hospital patient environment. *Indoor and Built Environment*, 19(2), 239–249. <https://doi.org/10.1177/1420326X09347050>
- Harris, D. (2017). A material world: A comparative study of flooring material influence on patient safety, satisfaction, and quality of care: material influence on indoor environmental quality. *Journal of Interior Design*, 42(1), 85–104. <https://doi.org/10.1111/joid.12100>
- Hashemzadeh, M., Dezfuli, A., Nashibi, R., Jahangirimehr, F., & Akbarian, Z. A. (2020). Study of biofilm formation, structure and antibiotic resistance in



Staphylococcus saprophyticus strains causing urinary tract infection in women in Ahvaz, Iran. *New microbes and new infections*, 39, 100831. <https://doi.org/10.1016/j.nmni.2020.100831>

- Havis, S., Bodunrin, A., Rangel, J., Zimmerer, R., Murphy, J., Storey, J. D., Duong, T. D., Mistretta, B., Gunaratne, P., Widger, W. R., & Bark, S. J. (2019). A Universal Stress Protein That Controls Bacterial Stress Survival in *Micrococcus luteus*. *Journal of bacteriology*, 201(24), e00497-19. <https://doi.org/10.1128/JB.00497-19>
- Head, S. R., Komori, H. K., LaMere, S. A., Whisenant, T., Van Nieuwerburgh, F., Salomon, D. R., & Ordoukhian, P. (2014). Library construction for next-generation sequencing: Overviews and challenges. *BioTechniques*, 56(2), 61–77. <https://doi.org/10.2144/000114133>
- Heck, K. L., van Belle, G., & Simberloff, D. (1975). Explicit calculation of the rarefaction diversity measurement and the determination of sufficient sample size. *Ecology*, 56(6), 1459–1461. <https://doi.org/10.2307/1934716>
- Herschend, J., Raghupathi, P. K., Røder, H. L., Sørensen, S. J., & Burmølle, M. (2016). Genome sequence of *kocuria palustris* strain w4. *Genome Announcements*, 4(2). <https://doi.org/10.1128/genomeA.00074-16>
- Hu, Q., Wu, K., Pan, W., Zeng, Y., Hu, K., Chen, D., Huang, X., & Zhang, Q. (2020). Intestinal flora alterations in patients with early chronic kidney disease: A case-control study among the Han population in southwestern China. *Journal of International Medical Research*, 48(6), 030006052092603. <https://doi.org/10.1177/030006052092603>
- Hurst, C. J. (Ed.). (2017). *Modeling the transmission and prevention of infectious disease* (1st ed. 2017). Springer International Publishing : Imprint: Springer.
- Inwergbu, K., Dave, J., & Pittard, A. (2005). Nosocomial infections. *Continuing Education in Anaesthesia Critical Care & Pain*, 5(1), 14–17. <https://doi.org/10.1093/bjaceaccp/mki006>
- Janda, J. M., & Abbott, S. L. (2007). 16S rRNA gene sequencing for bacterial identification in the diagnostic laboratory: pluses, perils, and pitfalls. *Journal of clinical microbiology*, 45(9), 2761–2764. <https://doi.org/10.1128/JCM.01228-07>
- Jencson, A. L., Cadnum, J. L., Wilson, B. M., & Donskey, C. J. (2019). Spores on wheels: Wheelchairs are a potential vector for dissemination of pathogens in healthcare facilities. *American Journal of Infection Control*, 47(4), 459–461. <https://doi.org/10.1016/j.ajic.2018.09.030>
- Jo, J. H., Kennedy, E. A., & Kong, H. H. (2016). Research Techniques Made Simple: Bacterial 16S Ribosomal RNA Gene Sequencing in Cutaneous Research. *The Journal of investigative dermatology*, 136(3), e23–e27. <https://doi.org/10.1016/j.jid.2016.01.005>
- Johnson, J. A. (2002). Nosocomial infections. *Veterinary Clinics of North America: Small Animal Practice*, 32(5), 1101–1126. [https://doi.org/10.1016/S0195-5616\(02\)00038-4](https://doi.org/10.1016/S0195-5616(02)00038-4)
- Johnson, J. S., Spakowicz, D. J., Hong, B.-Y., 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. *Nature Communications*, 10(1), 5029. <https://doi.org/10.1038/s41467-019-13036-1>
- Guimarães, L., Soares, S., Trost, E., Blom, J., Ramos, R., Silva, A., Barh, D., & Azevedo, V. (2015). Genome informatics and vaccine targets in Corynebacterium urealyticum using two whole genomes, comparative genomics, and reverse vaccinology. *BMC genomics*, 16 Suppl 5(Suppl 5), S7. <https://doi.org/10.1186/1471-2164-16-S5-S7>
- Kaeuffer, C., Schramm, F., Meyer, A., Hansmann, Y., Guffroy, A., & Argemi, X. (2018). First case of Comamonas aquatica bacteremia complicated by septic shock. *Médecine et Maladies Infectieuses*, 48(8), 540–542. <https://doi.org/10.1016/j.medmal.2018.08.004>
- Kang, Y., Lin, S., Ma, X., Che, Y., Chen, Y., Wan, T., Zhang, D., Shao, J., Xu, J., Xu, Y., Lou, Y., & Zheng, M. (2021). Strain heterogeneity, cooccurrence network, taxonomic composition and functional profile of the healthy ocular surface microbiome. *Eye and Vision*, 8(1), 6. <https://doi.org/10.1186/s40662-021-00228-4>
- Kemenkes RI (2019). Peraturan Menteri Kesehatan Republik Indonesia Nomor 7 Tahun 2019 tentang Kesehatan Lingkungan Rumah Sakit.
- Khan, H. A., Ahmad, A., & Mehboob, R. (2015). Nosocomial infections and their control strategies. *Asian Pacific Journal of Tropical Biomedicine*, 5(7), 509–514. <https://doi.org/10.1016/j.apjtb.2015.05.001>
- Khan, H. A., Baig, F. K., & Mehboob, R. (2017). Nosocomial infections: Epidemiology, prevention, control and surveillance. *Asian Pacific Journal of Tropical Biomedicine*, 7(5), 478–482. <https://doi.org/10.1016/j.apjtb.2017.01.019>
- Khan, A., Aung, T. T., & Chaudhuri, D. (2019). The first case of native mitral valve endocarditis due to *micrococcus luteus* and review of the literature. *Case Reports in Cardiology*, 2019, 1–3. <https://doi.org/10.1155/2019/5907319>
- Koganti, S., Alhmidi, H., Tomas, M. E., Cadnum, J. L., Jencson, A., & Donskey, C. J. (2016). Evaluation of hospital floors as a potential source of pathogen dissemination using a nonpathogenic virus as a surrogate marker. *Infection Control & Hospital Epidemiology*, 37(11), 1374–1377. <https://doi.org/10.1017/ice.2016.181>
- Konopiński, M. K. (2020). Shannon diversity index: A call to replace the original Shannon's formula with unbiased estimator in the population genetics studies. *PeerJ*, 8, e9391. <https://doi.org/10.7717/peerj.9391>
- Kouchak, F., & Askarian, M. (2012). Nosocomial infections: The definition criteria. *Iranian Journal of Medical Sciences*, 37(2), 72–73.
- Leung, E. T., Noronha, R., Mirza, A., Shenwai, R., & Mpatziakas, A. (2018). Shinydiversity—Understanding alpha and beta diversity through interactive visualizations. *F1000Research*, 7, 479. <https://doi.org/10.12688/f1000research.14217.1>



- Lin, H., & Peddada, S. D. (2020). Analysis of compositions of microbiomes with bias correction. *Nature Communications*, 11(1), 3514. <https://doi.org/10.1038/s41467-020-17041-7>
- Liu, J.-Y., & Dickter, J. K. (2020). Nosocomial infections. *Gastrointestinal Endoscopy Clinics of North America*, 30(4), 637–652. <https://doi.org/10.1016/j.giec.2020.06.001>
- Liu, X., Xiang, L., Yin, Y., Li, H., Ma, D., & Qu, Y. (2021). Pneumonia caused by *Pseudomonas fluorescens*: a case report. *BMC pulmonary medicine*, 21(1), 212. <https://doi.org/10.1186/s12890-021-01573-9>
- Lo, D. S., Shieh, H. H., Barreira, E. R., Ragazzi, S. L., & Gilio, A. E. (2015). High Frequency of *Staphylococcus Saprofyticus* Urinary Tract Infections Among Female Adolescents. *The Pediatric infectious disease journal*, 34(9), 1023–1025. <https://doi.org/10.1097/INF.0000000000000780>
- Magurran, A. E. (2013). *Measuring biological diversity*. <https://nbn-resolving.org/urn:nbn:de:101:1-2014122012826>
- Mahida, N., & Boswell, T. (2016). Non-slip socks: A potential reservoir for transmitting multidrug-resistant organisms in hospitals? *Journal of Hospital Infection*, 94(3), 273–275. <https://doi.org/10.1016/j.jhin.2016.06.018>
- Marlinghaus, L., Huß, M., Korte-Berwanger, M., Sakinc-Güler, T., & Gatermann, S. G. (2016). D-serine transporter in *Staphylococcus saprophyticus* identified. *FEMS microbiology letters*, 363(14), fnw143. <https://doi.org/10.1093/femsle/fnw143>
- Marshall, J. C., Bosco, L., Adhikari, N. K., Connolly, B., Diaz, J. V., Dorman, T., Fowler, R. A., Meyfroidt, G., Nakagawa, S., Pelosi, P., Vincent, J.-L., Vollman, K., & Zimmerman, J. (2017). What is an intensive care unit? A report of the task force of the world federation of societies of intensive and critical care medicine. *Journal of Critical Care*, 37, 270–276. <https://doi.org/10.1016/j.jcrc.2016.07.015>
- Mehnert-Kay S. A. (2005). Diagnosis and management of uncomplicated urinary tract infections. *American family physician*, 72(3), 451–456.
- Miltiadous, G., & Elisaf, M. (2011). Native valve endocarditis due to *Micrococcus luteus*: a case report and review of the literature. *Journal of medical case reports*, 5, 251. <https://doi.org/10.1186/1752-1947-5-251>
- Mirone, V., & Franco, M. (2014). Clinical aspects of antimicrobial prophylaxis for invasive urological procedures. *Journal of chemotherapy (Florence, Italy)*, 26 Suppl 1, S1–S13. <https://doi.org/10.1179/1120009X14Z.000000000232>
- Moore, G., Muzslay, M., & Wilson, A. P. R. (2013). The type, level, and distribution of microorganisms within the ward environment: A zonal analysis of an intensive care unit and a gastrointestinal surgical ward. *Infection Control & Hospital Epidemiology*, 34(5), 500–506. <https://doi.org/10.1086/670219>
- Morris, E. K., Caruso, T., Buscot, F., Fischer, M., Hancock, C., Maier, T. S., Meiners, T., Müller, C., Obermaier, E., Prati, D., Socher, S. A., Sonnemann, I., Wäschke, N., Wubet, T., Wurst, S., & Rillig, M. C. (2014).



- Choosing and using diversity indices: Insights for ecological applications from the German Biodiversity Exploratories. *Ecology and Evolution*, 4(18), 3514–3524. <https://doi.org/10.1002/ece3.1155>
- Muhamad Rizal, N. S., Neoh, H. M., Ramli, R., A/L K Periyasamy, P. R., Hanafiah, A., Abdul Samat, M. N., Tan, T. L., Wong, K. K., Nathan, S., Chieng, S., Saw, S. H., & Khor, B. Y. (2020). Advantages and Limitations of 16S rRNA Next-Generation Sequencing for Pathogen Identification in the Diagnostic Microbiology Laboratory: Perspectives from a Middle-Income Country. *Diagnostics (Basel, Switzerland)*, 10(10), 816. <https://doi.org/10.3390/diagnostics10100816>
- Mustapha, A., Alhmidi, H., Cadnum, J. L., Jencson, A. L., & Donskey, C. J. (2018). Efficacy of manual cleaning and an ultraviolet C room decontamination device in reducing health care-associated pathogens on hospital floors. *American Journal of Infection Control*, 46(5), 584–586. <https://doi.org/10.1016/j.ajic.2017.10.025>
- Nazeri, M., Salmani Arani, J., Ziloochi, N., Delkhah, H., Hesami Arani, M., Asgari, E., & Hosseini, M. (2019). Microbial contamination of keyboards and electronic equipment of ICU (Intensive care units) in Kashan University of medical sciences and health service hospitals. *MethodsX*, 6, 666–671. <https://doi.org/10.1016/j.mex.2019.03.022>
- Nicolosi, D., Genovese, C., Cutuli, M. A., D'Angeli, F., Pietrangelo, L., Davinelli, S., Petronio Petronio, G., & Di Marco, R. (2020). Preliminary in Vitro Studies on *Corynebacterium urealyticum* Pathogenetic Mechanisms, a Possible Candidate for Chronic Idiopathic Prostatitis?. *Microorganisms*, 8(4), 463. <https://doi.org/10.3390/microorganisms8040463>
- Nieto, E., Vindel, A., Valero-Guillén, P. L., Saez-Nieto, J. A., & Soriano, F. (2000). Biochemical, antimicrobial susceptibility and genotyping studies on *Corynebacterium urealyticum* isolates from diverse sources. *Journal of medical microbiology*, 49(8), 759–763. <https://doi.org/10.1099/0022-1317-49-8-759>
- Nishimura, S., Matsuyama, S., & Yamamoto, K. (2020). *Staphylococcus saprophyticus* native valve endocarditis possibly originating from the lower gastrointestinal tract. *IDCases*, 19, e00713. <https://doi.org/10.1016/j.idcr.2020.e00713>
- O'Driscoll, T., & Crank, C. W. (2015). Vancomycin-resistant enterococcal infections: Epidemiology, clinical manifestations, and optimal management. *Infection and Drug Resistance*, 8, 217–230. <https://doi.org/10.2147/IDR.S54125>
- Ondov, B. D., Bergman, N. H., & Phillippy, A. M. (2011). Interactive metagenomic visualization in a Web browser. *BMC Bioinformatics*, 12(1), 385. <https://doi.org/10.1186/1471-2105-12-385>
- Pailhoriès, H., Cassisa, V., Chenouard, R., Kempf, M., Eveillard, M., & Lemarié, C. (2017). *Staphylococcus saprophyticus*: Which beta-lactam?. International journal of infectious diseases : IJID : official publication of the International Society for Infectious Diseases, 65, 63–66. <https://doi.org/10.1016/j.ijid.2017.10.001>



- Pappas, G., Karavasilis, V., Christou, L., & Tsianos, E. V. (2006). *Pseudomonas fluorescens infections in clinical practice*. *Scandinavian journal of infectious diseases*, 38(1), 68–70. <https://doi.org/10.1080/00365540500264043>
- Park, S. C., & Won, S. (2018). Evaluation of 16S rRNA Databases for Taxonomic Assignments Using Mock Community. *Genomics & informatics*, 16(4), e24. <https://doi.org/10.5808/GI.2018.16.4.e24>
- Patil, S., Trivedi, M. (2015). Antimicrobial sensitivity pattern of *pseudomonas fluorescens* after biofield treatment. *Journal of Infectious Diseases & Therapy*, 03(03). <https://doi.org/10.4172/2332-0877.1000222>
- Petrosino, J. F., Highlander, S., Luna, R. A., Gibbs, R. A., & Versalovic, J. (2009). Metagenomic pyrosequencing and microbial identification. *Clinical chemistry*, 55(5), 856–866. <https://doi.org/10.1373/clinchem.2008.107565>
- Petti, C. A., Polage, C. R., & Schreckenberger, P. (2005). The role of 16S rRNA gene sequencing in identification of microorganisms misidentified by conventional methods. *Journal of clinical microbiology*, 43(12), 6123–6125. <https://doi.org/10.1128/JCM.43.12.6123-6125.2005>
- Pichler, M., Coskun, Ö. K., Ortega-Arbulú, A. S., Conci, N., Wörheide, G., Vargas, S., & Orsi, W. D. (2018). A 16S rRNA gene sequencing and analysis protocol for the Illumina MiniSeq platform. *MicrobiologyOpen*, 7(6), e00611. <https://doi.org/10.1002/mbo3.611>
- Pigłowski M. (2019). Pathogenic and Non-Pathogenic Microorganisms in the Rapid Alert System for Food and Feed. *International journal of environmental research and public health*, 16(3), 477. <https://doi.org/10.3390/ijerph16030477>
- Protano, C., Cammalleri, V., & Romano Spica, V. (2019). Hospital environment as a reservoir for cross transmission: Cleaning and disinfection procedures. *Annali Di Igiene Medicina Preventiva e Di Comunità*, 5, 436–448. <https://doi.org/10.7416/ai.2019.2305>
- Qurbani, K., & Hamzah, H. (2020). Intimate communication between *Comamonas aquatica* and *Fusarium solani* in remediation of heavy metal-polluted environments. *Archives of Microbiology*, 202(6), 1397–1406. <https://doi.org/10.1007/s00203-020-01853-8>
- Raro, O. H. F., Gallo, S. W., Ferreira, C. A. S., & Oliveira, S. D. de. (2017). Carbapenem-resistant *Acinetobacter baumannii* contamination in an intensive care unit. *Revista da Sociedade Brasileira de Medicina Tropical*, 50(2), 167–172. <https://doi.org/10.1590/0037-8682-0329-2016>
- Rashid, T., VonVille, H. M., Hasan, I., & Garey, K. W. (2016). Shoe soles as a potential vector for pathogen transmission: A systematic review. *Journal of Applied Microbiology*, 121(5), 1223–1231. <https://doi.org/10.1111/jam.13250>
- Rashid, T., Vonville, H., Hasan, I., & Garey, K. W. (2017). Mechanisms for floor surfaces or environmental ground contamination to cause human infection: A systematic review. *Epidemiology and Infection*, 145(2), 347–357. <https://doi.org/10.1017/S0950268816002193>



- Rashid, T., Poblete, K., Amadio, J., Hasan, I., Begum, K., Alam, M. J., & Garey, K. W. (2018). Evaluation of a shoe sole UVC device to reduce pathogen colonization on floors, surfaces and patients. *Journal of Hospital Infection*, 98(1), 96–101. <https://doi.org/10.1016/j.jhin.2017.10.011>
- Redmond, S., Cadnum, J., Pearlmuter, B., Herrera, N. P., & Donskey, C. (2020). Timing and route of contamination of patient rooms with healthcare-associated pathogens. *Infection Control & Hospital Epidemiology*, 41(S1), s412–s412. <https://doi.org/10.1017/ice.2020.1066>
- Rejeb, M. B., Sahli, J., Chebil, D., Khefacha-Aissa, S., Jaidane, N., Kacem, B., Hmouda, H., Dhidah, L., Said-Latiri, H., & Naija, W. (2016). Mortality among Patients with Nosocomial Infections in Tertiary Intensive Care Units of Sahloul Hospital, Sousse, Tunisia. *Archives of Iranian medicine*, 19(3), 179–185.
- Revelas, A. (2012). Healthcare - associated infections: A public health problem. *Nigerian Medical Journal*, 53(2), 59. <https://doi.org/10.4103/0300-1652.103543>
- Riedel, S., Hobden, J. A., Miller, S., Morse, S. A., Mietzner, T. A., Jawetz, E., Melnick, J. L., & Adelberg, E. A. (Eds.). (2019). *Jawetz, melnick & adelberg's medical microbiology* (28th edition). McGraw Hill.
- Rocha, D., Azevedo, V., Brenig, B., Silva, A., Blom, J., Ramos, R. T., Aguiar, E., Chapartegui-González, I., Fernández-Martínez, M., Martínez-Martínez, L., Pacheco, L., & Navas, J. (2020). Whole-genome sequencing reveals misidentification of a multidrug-resistant urine clinical isolate as *Corynebacterium urealyticum*. *Journal of global antimicrobial resistance*, 23, 16–19. <https://doi.org/10.1016/j.jgar.2020.07.020>
- Rodriguez, C., Jary, A., Hua, C., Woerther, P. -L., Bosc, R., Desroches, M., Sitterlé, E., Gricourt, G., De Prost, N., Pawlotsky, J. -M., Chosidow, O., Sbidian, E., Decousser, J. -W., & the Multidisciplinary Necrotizing Fasciitis Study Group. (2020). Pathogen identification by shotgun metagenomics of patients with necrotizing soft-tissue infections. *British Journal of Dermatology*, 183(1), 105–113. <https://doi.org/10.1111/bjd.18611>
- Rodríguez-Acelas, A. L., de Abreu Almeida, M., Engelman, B., & Cañon-Montañez, W. (2017). Risk factors for health care-associated infection in hospitalized adults: Systematic review and meta-analysis. *American journal of infection control*, 45(12), e149–e156. <https://doi.org/10.1016/j.ajic.2017.08.016>
- Rodriguez-Nava, G., Mohamed, A., Yanez-Bello, M. A., & Trelles-Garcia, D. P. (2020). Advances in medicine and positive natural selection: Prosthetic valve endocarditis due to biofilm producer *Micrococcus luteus*. *IDCases*, 20, e00743. <https://doi.org/10.1016/j.idcr.2020.e00743>
- Russell A. D. (1999). Bacterial resistance to disinfectants: present knowledge and future problems. *The Journal of hospital infection*, 43 Suppl, S57–S68. [https://doi.org/10.1016/s0195-6701\(99\)90066-x](https://doi.org/10.1016/s0195-6701(99)90066-x)
- Ryan, K. J. (Ed.). (2017). *Sherris medical microbiology* (Seventh edition). McGraw-Hill.



- Safdar, N., & Abad, C. (2008). Educational interventions for prevention of healthcare-associated infection: A systematic review: *Critical Care Medicine*, 36(3), 933–940.
<https://doi.org/10.1097/CCM.0B013E318165FAF3>
- Saha, R., Spröer, C., Beck, B., & Bagley, S. (2010). Pseudomonas oleovorans subsp. lubricantis subsp. nov., and reclassification of *Pseudomonas pseudoalcaligenes* ATCC 17440T as later synonym of *Pseudomonas oleovorans* ATCC 8062 T. *Current microbiology*, 60(4), 294–300.
<https://doi.org/10.1007/s00284-009-9540-6>
- Sakamoto, Y., Suzuki, Y., Iizuka, I., Tateoka, C., Roppongi, S., Okada, H., Nonaka, T., Morikawa, Y., Nakamura, K. T., Ogasawara, W., & Tanaka, N. (2014). Crystallization and preliminary X-ray crystallographic studies of dipeptidyl aminopeptidase BII from *Pseudoxanthomonas mexicana* WO24. *Acta crystallographica. Section F, Structural biology communications*, 70(Pt 2), 221–224.
<https://doi.org/10.1107/S2053230X13034584>
- Salem, N., Salem, L., Saber, S., Ismail, G., & Bluth, M. H. (2015). *Corynebacterium urealyticum*: a comprehensive review of an understated organism. *Infection and drug resistance*, 8, 129–145.
<https://doi.org/10.2147/IDR.S74795>
- Samore, M. H., Venkataraman, L., DeGirolami, P. C., Arbeit, R. D., & Karchmer, A. W. (1996). Clinical and molecular epidemiology of sporadic and clustered cases of nosocomial *Clostridium difficile* diarrhea. *The American Journal of Medicine*, 100(1), 32–40. [https://doi.org/10.1016/S0002-9343\(96\)90008-X](https://doi.org/10.1016/S0002-9343(96)90008-X)
- Santajit, S., & Indrawattana, N. (2016). Mechanisms of antimicrobial resistance in *eskape* pathogens. *BioMed Research International*, 2016, 1–8.
<https://doi.org/10.1155/2016/2475067>
- Scales, B. S., Dickson, R. P., LiPuma, J. J., & Huffnagle, G. B. (2014). Microbiology, genomics, and clinical significance of the *Pseudomonas fluorescens* species complex, an unappreciated colonizer of humans. *Clinical microbiology reviews*, 27(4), 927–948.
<https://doi.org/10.1128/CMR.00044-14>
- Seifert, H., Kaltheuner, M., & Perdreau-Remington, F. (1995). *Micrococcus luteus* endocarditis: case report and review of the literature. *Zentralblatt fur Bakteriologie : international journal of medical microbiology*, 282(4), 431–435. [https://doi.org/10.1016/s0934-8840\(11\)80715-2](https://doi.org/10.1016/s0934-8840(11)80715-2)
- Shahid, F., Ashfaq, U. A., Saeed, S., Munir, S., Almatroudi, A., & Khurshid, M. (2020). In Silico Subtractive Proteomics Approach for Identification of Potential Drug Targets in *Staphylococcus saprophyticus*. *International journal of environmental research and public health*, 17(10), 3644.
<https://doi.org/10.3390/ijerph17103644>
- Sharma, G., Khatri, I., & Subramanian, S. (2014). Draft genome sequence of *kocuria palustris* pel. *Genome Announcements*, 2(1).
<https://doi.org/10.1128/genomeA.01261-13>



- Siegel, J. D., Rhinehart, E., Jackson, M., Chiarello, L., & Healthcare Infection Control Practices Advisory Committee (2007). Management of multidrug-resistant organisms in health care settings, 2006. *American journal of infection control*, 35(10 Suppl 2), S165–S193. <https://doi.org/10.1016/j.ajic.2007.10.006>
- Sigovini, M., Keppel, E., & Tagliapietra, D. (2016). Open Nomenclature in the biodiversity era. *Methods in Ecology and Evolution*, 7(10), 1217–1225. <https://doi.org/10.1111/2041-210X.12594>
- Sikora, A., & Zahra, F. (2021). Nosocomial infections. In *StatPearls*. StatPearls Publishing. <http://www.ncbi.nlm.nih.gov/books/NBK559312/>
- Silva, K., Silva, L., Silva, G., Borges, C. L., Novaes, E., Paccez, J. D., Fontes, W., Giambiagi-deMarval, M., Soares, C., & Parente-Rocha, J. A. (2020). *Staphylococcus saprophyticus* Proteomic Analyses Elucidate Differences in the Protein Repertoires among Clinical Strains Related to Virulence and Persistence. *Pathogens (Basel, Switzerland)*, 9(1), 69. <https://doi.org/10.3390/pathogens9010069>
- Skoutelis, A., Westenfelder, G., Beckerdite, M., & Phair, J. (1994). Hospital carpeting and epidemiology of Clostridium difficile. *American Journal of Infection Control*, 22(4), 212–217. [https://doi.org/10.1016/0196-6553\(94\)90070-1](https://doi.org/10.1016/0196-6553(94)90070-1)
- Smith, J., Ashurst-Smith, C., & Norton, R. (2002). Pseudomonas fluorescens pseudobacteraemia: a cautionary lesson. *Journal of paediatrics and child health*, 38(1), 63–65. <https://doi.org/10.1046/j.1440-1754.2002.00727.x>
- Soriano, F., Ponte, C., Ruiz, P., & Zapardiel, J. (1993). Non-urinary tract infections caused by multiply antibiotic-resistant *Corynebacterium urealyticum*. *Clinical infectious diseases : an official publication of the Infectious Diseases Society of America*, 17(5), 890–891. <https://doi.org/10.1093/clinids/17.5.890>
- Soriano, F., Zapardiel, J., & Nieto, E. (1995). Antimicrobial susceptibilities of *Corynebacterium* species and other non-spore-forming gram-positive bacilli to 18 antimicrobial agents. *Antimicrobial agents and chemotherapy*, 39(1), 208–214. <https://doi.org/10.1128/AAC.39.1.208>
- Srinivasa, V. R., Hariri, R., Frank, L. R., Kingsley, L., Magee, E., Pokrywka, M., & Yassin, M. H. (2019). Hospital-associated Clostridium difficile infection and reservoirs within the hospital environment. *American Journal of Infection Control*, 47(7), 780–785. <https://doi.org/10.1016/j.ajic.2018.12.013>
- Staley, J. T., Irgens, R. L., & Brenner, D. J. (1987). Enhydrobacter aerosaccus gen. Nov. , Sp. Nov. , A gas-vacuolated, facultatively anaerobic, heterotrophic rod. *International Journal of Systematic Bacteriology*, 37(3), 289–291. <https://doi.org/10.1099/00207713-37-3-289>
- Stehlikova, Z., Kostovcik, M., Kostovcikova, K., Kverka, M., Juzlova, K., Rob, F., Hercogova, J., Bohac, P., Pinto, Y., Uzan, A., Koren, O., Tlaskalova-Hogenova, H., & Jiraskova Zakostelska, Z. (2019). Dysbiosis of skin microbiota in psoriatic patients: Co-occurrence of fungal and bacterial



communities. *Frontiers in Microbiology*, 10, 438.
<https://doi.org/10.3389/fmicb.2019.00438>

Stephens, C., Wright, M., Hartman, A., Gonzalez, A., Sensabaugh, G., Robinson, P., & Hess, D. (2020). Complete Genome Sequences of Diverse Uropathogenic *Staphylococcus saprophyticus* Isolates from a College Health Center. *Microbiology resource announcements*, 9(35), e00722-20. <https://doi.org/10.1128/MRA.00722-20>

Stoddard, S. F., Smith, B. J., Hein, R., Roller, B. R., & Schmidt, T. M. (2015). rrnDB: improved tools for interpreting rRNA gene abundance in bacteria and archaea and a new foundation for future development. *Nucleic acids research*, 43(Database issue), D593–D598. <https://doi.org/10.1093/nar/gku1201>

Sun, Y. Y., Chi, H., & Sun, L. (2016). *Pseudomonas fluorescens* Filamentous Hemagglutinin, an Iron-Regulated Protein, Is an Important Virulence Factor that Modulates Bacterial Pathogenicity. *Frontiers in microbiology*, 7, 1320. <https://doi.org/10.3389/fmicb.2016.01320>

Szabados, F., Kleine, B., Anders, A., Kaase, M., Sakinç, T., Schmitz, I., & Gatermann, S. (2008). *Staphylococcus saprophyticus* ATCC 15305 is internalized into human urinary bladder carcinoma cell line 5637. *FEMS microbiology letters*, 285(2), 163–169. <https://doi.org/10.1111/j.1574-6968.2008.01218.x>

Thierry, S., Macarie, H., Iizuka, T., Geißdörfer, W., Assih, E. A., Spanevello, M., Verhe, F., Thomas, P., Fudou, R., Monroy, O., Labat, M., & Ouattara, A. S. (2004). *Pseudoxanthomonas mexicana* sp. Nov. And *Pseudoxanthomonas japonensis* sp. Nov., isolated from diverse environments, and emended descriptions of the genus *Pseudoxanthomonas* Finkmann et al. 2000 and of its type species. *International Journal of Systematic and Evolutionary Microbiology*, 54(6), 2245–2255. <https://doi.org/10.1099/ij.s.0.02810-0>

Thukral, A. K. (2017). A review on measurement of Alpha diversity in biology. *Agricultural Research Journal*, 54(1), 1. <https://doi.org/10.5958/2395-146X.2017.00001.1>

Thuy, D. B., Campbell, J., Nhat, L. T. H., Hoang, N. V. M., Hao, N. V., Baker, S., Geskus, R. B., Thwaites, G. E., Chau, N. V. V., & Thwaites, C. L. (2018). Hospital-acquired colonization and infections in a Vietnamese intensive care unit. *PLOS ONE*, 13(9), e0203600. <https://doi.org/10.1371/journal.pone.0203600>

Urakami, T., Araki, H., Oyanagi, H., Suzuki, K.-I., & Komagata, K. (1990). *Paracoccus aminophilus* sp. Nov. And *Paracoccus aminovorans* sp. Nov., Which Utilize N,N-Dimethylformamide. *International Journal of Systematic Bacteriology*, 40(3), 287–291. <https://doi.org/10.1099/00207713-40-3-287>

Vincent, J.-L. (2003). Nosocomial infections in adult intensive-care units. *The Lancet*, 361(9374), 2068–2077. [https://doi.org/10.1016/S0140-6736\(03\)13644-6](https://doi.org/10.1016/S0140-6736(03)13644-6)



- Wang, J., Qiao, M., Zhou, Y., Du, H., Bai, J., Yuan, W., Liu, J., Wang, D., Hu, Y., & Wu, Y. (2019). In vitro synergistic effect of baicalin with azithromycin against *Staphylococcus saprophyticus* isolated from francolins with ophthalmia. *Poultry science*, 98(1), 373–380. <https://doi.org/10.3382/ps/pey356>
- Watanabe, N., Kryukov, K., Nakagawa, S., Takeuchi, J. S., Takeshita, M., Kirimura, Y., Mitsuhashi, S., Ishihara, T., Aoki, H., Inokuchi, S., Imanishi, T., & Inoue, S. (2018). Detection of pathogenic bacteria in the blood from sepsis patients using 16S rRNA gene amplicon sequencing analysis. *PLOS ONE*, 13(8), e0202049. <https://doi.org/10.1371/journal.pone.0202049>
- Wauters, G., De Baere, T., Willems, A., Falsen, E., & Vaneechoutte, M. (2003). Description of *Comamonas aquatica* comb. nov. and *Comamonas kerstersii* sp. nov. for two subgroups of *Comamonas terrigena* and emended description of *Comamonas terrigena*. *International journal of systematic and evolutionary microbiology*, 53(Pt 3), 859–862. <https://doi.org/10.1099/ijss.0.02450-0>
- Weber, D. J., Raasch, R., & Rutala, W. A. (1999). Nosocomial infections in the icu. *Chest*, 115(3), 34S-41S. https://doi.org/10.1378/chest.115.suppl_1.34S
- Whittaker, R. H. (1972). Evolution and measurement of species diversity. *TAXON*, 21(2–3), 213–251. <https://doi.org/10.2307/1218190>
- Widerström, M., Wiström, J., Sjöstedt, A., & Monsen, T. (2012). Coagulase-negative staphylococci: update on the molecular epidemiology and clinical presentation, with a focus on *Staphylococcus epidermidis* and *Staphylococcus saprophyticus*. *European journal of clinical microbiology & infectious diseases : official publication of the European Society of Clinical Microbiology*, 31(1), 7–20. <https://doi.org/10.1007/s10096-011-1270-6>
- Willis A. D. (2019). Rarefaction, Alpha Diversity, and Statistics. *Frontiers in microbiology*, 10, 2407. <https://doi.org/10.3389/fmicb.2019.02407>
- Winand, R., Bogaerts, B., Hoffman, S., Lefevre, L., Delvoye, M., Braekel, J. V., Fu, Q., Roosens, N. H., Keersmaecker, S. C., & Vanneste, K. (2019). TARGETING THE 16S RRNA GENE FOR BACTERIAL IDENTIFICATION IN COMPLEX MIXED SAMPLES: COMPARATIVE EVALUATION OF SECOND (ILLUMINA) AND THIRD (OXFORD NANOPORE TECHNOLOGIES) GENERATION SEQUENCING TECHNOLOGIES. *International journal of molecular sciences*, 21(1), 298. <https://doi.org/10.3390/ijms21010298>
- Wong, T., Woznow, T., Petrie, M., Murzello, E., Muniak, A., Kadura, A., & Bryce, E. (2016). Postdischarge decontamination of MRSA, VRE, and Clostridium difficile isolation rooms using 2 commercially available automated ultraviolet-C-emitting devices. *American Journal of Infection Control*, 44(4), 416–420. <https://doi.org/10.1016/j.ajic.2015.10.016>
- Wong, V., Levi, K., Baddal, B., Turton, J., & Boswell, T. C. (2011). Spread of *Pseudomonas fluorescens* due to contaminated drinking water in a bone



- marrow transplant unit. *Journal of clinical microbiology*, 49(6), 2093–2096. <https://doi.org/10.1128/JCM.02559-10>
- Yarza, P., Yilmaz, P., Pruesse, E., Glöckner, F. O., Ludwig, W., Schleifer, K.-H., Whitman, W. B., Euzéby, J., Amann, R., & Rosselló-Móra, R. (2014). Uniting the classification of cultured and uncultured bacteria and archaea using 16S rRNA gene sequences. *Nature Reviews Microbiology*, 12(9), 635–645. <https://doi.org/10.1038/nrmicro3330>
- Yoon, S.-H., Ha, S.-M., Kwon, S., Lim, J., Kim, Y., Seo, H., & Chun, J. (2017). Introducing EzBioCloud: A taxonomically united database of 16S rRNA gene sequences and whole-genome assemblies. *International Journal of Systematic and Evolutionary Microbiology*, 67(5), 1613–1617. <https://doi.org/10.1099/ijsem.0.001755>
- Yoon, J.-H., Lee, S.-Y., Kang, S.-J., & Oh, T.-K. (2008). Phycicoccus dokdonensis sp. Nov., isolated from soil. *INTERNATIONAL JOURNAL OF SYSTEMATIC AND EVOLUTIONARY MICROBIOLOGY*, 58(3), 597–600. <https://doi.org/10.1099/ijss.0.65284-0>
- Yu, G., Torres, J., Hu, N., Medrano-Guzman, R., Herrera-Goepfert, R., Humphrys, M. S., Wang, L., Wang, C., Ding, T., Ravel, J., Taylor, P. R., Abnet, C. C., & Goldstein, A. M. (2017). Molecular characterization of the human stomach microbiota in gastric cancer patients. *Frontiers in Cellular and Infection Microbiology*, 7, 302. <https://doi.org/10.3389/fcimb.2017.00302>
- Zembrzuska-Sadkowska, E. (1995). The danger of infections of the hospitalized patients with the microorganisms present in preparations and in the hospital environment. *Acta Poloniae Pharmaceutica*, 52(2), 173–178.