

DAFTAR PUSTAKA

- Ambrosini, A. and L. M. P. Passaglia. 2017. Plant Growth–Promoting Bacteria (PGPB): Isolation and Screening of PGP Activities. Research Gate
- Ashutos, K.K. Dwivedi, V. D. Kumar, S. Prakash, and S.R. Bhata. 2005. rep-PCR helps to distinguish different alloplasmic cytoplasmic male sterile lines of *Brassica juncea*. Plant Science 168:1083–1087.
- Bastakoti, S., S. Belbase, S. Manandhar, and C. Arjyal. 2017. *Trichoderma* species as biocontrol agent against soil borne fungal pathogens. Nepal Journal of Biotechnology. 5: 39-45.
- Bhattacharyya, P.N., and D.K. Jha. 2012. Plant growth-promoting rhizobacteria (PGPR): emergence in agriculture. World Journal of Microbiology & Biotechnology 28:1327–1350.
- Chung, E.J, M. T. Hossain, A. Khan, H. K. Kyung, O. J. Che and R. C. Young. 2015. *Bacillus oryzicola* sp. nov., an endophytic bacterium isolated from the roots of rice with antimicrobial, plant growth promoting, and systemic resistance inducing activities in rice. 31:152-164.
- Dobbelaere, S., J. Vanderleyden, and Y. Okon. 2003 Plant growth promoting effects of diazotrophs in the rhizosphere. Critical Reviews in Plant Science 22:107–49.
- Dombek, P. E., L. K. Johnson, S. T. Zimmerley, and M. J. Sadowsky. 2000. Use of repetitive DNA sequences and the PCR to differentiate *Escherichia coli* isolates from human and animal sources. Applied and Environmental Microbiology 2572–2577.
- Duangpaeng, A., P. Phetcharat, S. Chanthapho, N. Boonkantong, and N. Okuda. 2012. The study and development of endophytic bacteria for enhancing organic rice growth. Procedia Engineering 32:172 – 176.
- Duarah, I., M. Deka, N. Saikia, and H. P. D. Boruah. 2011. Phosphate solubilizers enhance NPK fertilizer use efficiency in rice and legume cultivation. 3 Biotech 1:227–238.
- Emami, S., H. A. Alikhani, A. A. Pourbabaee, H. Etesami, B. Motasharezadeh, and F. Sarmadian. 2020. Consortium of endophyte and rhizosphere phosphate solubilizing bacteria improves phosphorous use efficiency in wheat cultivars in phosphorus deficient soils. Rhizosphere 14:1-8.
- Etesami, H., M. Hosseini, and H.A. Alikhani. 2014. In planta selection of plant growth promoting endophytic bacteria for rice (*Oryza sativa* L.). Journal of Soil Science and Plant Nutrition 14:491-503.
- Esitken, A., H.E. Yildiz, S. Ercisli, M.F. Donmez, M. Turan, and A. Gunes. 2010. Effects of plant growth promoting bacteria (PGPB) on yield, growth and nutrient contents of organically grown strawberry. Scientia Horticulturae

- García de Salamone, I.E., L.P.Di Salvo, J.S.E. Ortega, M.P.B. Sorte, S. Urquiaga, and K.R.D.S. Teixeira. 2010. Field response of rice paddy crop to inoculation with *Azospirillum*: physiology of rhizosphere bacterial communities and the genetic diversity of endophytic bacteria in different parts of the plants. *Plant Soil* 336:351–362.
- Glick, B. R. 2012. Plant growth-promoting bacteria: mechanisms and applications. *Scientifica* 963401.
- Hall, B.G. 2001. *Phylogenetic Trees Made Easy: A How - to Manual for Molecular Biologists*. Sinauer Associates, USA.
- Hartono., J. Widada and S. Kabirun. 2009. 16S rRNA sequence analysis and amonium excretion ability of nitrogen fixing bacteria isolated from mineral acid soil. *Indonesian Journal of Biotechnology* 14: 1179-1187.
- Illmer, P. and F. Schinner. 1982. Solubilization of inorganic phosphate by microorganisms isolated from forest soil. *Soil Biology and Biochemistry*. 24:389-395.
- Ji, S.H., M. A. Gururanib, and S.C. Chuna. 2014. Isolation and characterization of plant growth promoting endophytic diazotrophic bacteria from Korean rice cultivars. *Microbiological Research* 169:83– 98.
- Kaga, H., H. Mano, F. Tanaka, A. Watanabe, S. Kaneko, and H. Morisaki. 2009. Rice seeds as sources of endophytic bacteria. *Microbes Environment* 24:154-162.
- Khabbaz, S.E, D. Ladhakshmi, M. Babu, A. Kandan, V. Ramamoorthy, D. Saravanakumar, T. Al-Mughrabi, and S. Kandasamy. 2019. Plant growth promoting bacteria (PGPB)—a versatile tool for plant health management. *Canadian Journal of Pesticides Pest Management* 1:1-25.
- Khan, N., P. Martínez-Hidalgo, T. A. Ice, M. Maymon, E. A. Humm, N. Nejat, E. R. Sanders, D. Kaplan, and A. M. Hirsch. 2018. Antifungal activity of *Bacillus* species against *Fusarium* and analysis of the potential mechanisms used in biocontrol. *Frontiers in Microbiology* 9:2363.
- Khan, M.S., J. Gao¹, M. Zhang, X. Chen, T. S. Moe, Y. Du, F. Yang, J. Xue, and X. Zhang. 2020. Isolation and characterization of plant growth-promoting endophytic bacteria *Bacillus stratosphericus* LW-03 from *Lilium wardii*. *3 Biotech* 305:1-15.
- Kirchhof, G., V.M. Reis, J.I Baldani, B. Eckert, J. Dobereiner, and A. Hartmann. 1997. Occurrence, physiological and molecular analysis of endophytic diazotrophic bacteria in gramineous energy plants. *Plant Soil* 194:45-55.
- Kneip, C., P. Lockhart, C. Voß, and U. Maier. 2007. Nitrogen fixation in eukaryotes-New models for symbiosis. *BMC Evolutionary Biology* 7: 1471-2148.

- Konate, I., M. Koffi, A. Koulibaly, A. Sorouri, E. B. Berraho, and A. Filali-Maltouf. 2015. Screening of endophytic bacteria associated with *Ceratonia siliqua* L. plant using molecular marker repetitive extragenic palindromic (rep)-PCR. *Greener Journal of Agricultural Sciences* 5:43-51.
- Kumar, A., A. Kumar, and A Pratush. 2014. Molecular diversity and functional variability of environmental isolates of *Bacillus* species. *Springer Plus* 3:1-11.
- Leonard, R.H. 1961. Quantitative range of nessler's reaction with ammonia. *Clinical Chemistry* 9:417-422.
- Lim, H.S and S.D. Kim. 1995. The role and characterization of β -1,3-glucanase in biocontrol of *Fusarium solani* by *Pseudomonas stutzeri* YPL-1. *Journal of Microbiology* 33: 295-301.
- Maheshwari, D.K. 2010. Plant Growth and Health Promoting Bacteria. *Microbiology Monographs* 18. Springer, Berlin.
- Mahmood, A. and R. Kataoka. 2020. Metabolite profiling reveals a complex response of plants to application of plant growth-promoting endophytic bacteria. *Microbiological Research* 234:126421.
- Mano, H. and H. Morisaki. 2008. Endophytic bacteria in the rice plant. *Microbes Environment* 23:109-117.
- Pande, A., P. Pandey, S. Mehra, M. Singh, and S. Kaushik. 2017. Phenotypic and genotypic characterization of phosphate solubilizing bacteria and their efficiency on the growth of maize. *Journal of Genetic Engineering and Biotechnology* 1-13.
- Phetcharat, P and A. Duangpaeng. 2012. Screening of endophytic bacteria from organic rice tissue for indole acetic acid production. *Procedia Engineering* 32: 177-183.
- Prajapati, R. R., Y.K. Jhala, and R.V. Vyas. 2011. In vitro study of plant growth promoting methylotrophic bacterial consortium as a plant probiotics for paddy. *International Journal Current Microbiology Application Science* 6: 2608-2626.
- Prakamhang, J., K. Minamisawa, K. Teamtaisong, N. Boonkerd, and N. Teaumroong. 2009. The communities of endophytic diazotrophic bacteria in cultivated rice (*Oryza sativa* L.). *Applied Soil Ecology* 42:141-149.
- Richardson, A. E., J. M. Barea, A. M. McNeill, and C. Prigent-Combaret. 2009. Acquisition of phosphorus and nitrogen in the rhizosphere and plant growth promotion by microorganisms. *Plant Soil* 321:305-339.
- Ryan, R. P., K. Germaine, A. Franks, D. J. Ryan, and D. N. Dowling. 2008. Bacterial endophytes: recent developments and applications. *FEMS Microbiology Letter* 278:1-9.

- Saleem, M., M. Arshad, S. Hussain, and A. S. Bhatti. 2007. Perspective of Plant Growth Promoting Rhizobacteria (PGPR) containing ACC deaminase in stress agriculture. *Journal of Industrial Microbiology & Biotechnology* 34:635-648.
- Santoyo, A., G. Moreno-Hagelsiebb, M.D.C. Orozco-Mosquedac, and B.R. Glick. 2016. Plant growth-promoting bacterial endophytes. *Microbiological Research* 183:92–99.
- Sev, T.M., A.A. Khai, A. Aung, and S.S. Yu. 2016. Evaluation of endophytic bacteria from some rice varieties for plant growth promoting activities. *Journal of Scientific and Innovative Research* 5:144-148.
- Sgroy, V., F. Cassán, O. Masciarelli, M.F.D. Papa, A. Lagares, and V. Luna. 2009. Isolation and characterization of endophytic plant growth-promoting (PGPB) or stress homeostasis-regulating (PSHB) bacteria associated to the halophyte *Prosopis strombulifera*. *Applied of Microbiology & Biotechnology* 85:371–381.
- Shimono, M., H. Koga, A. Akagi, N. Hayashi, S. Goto, M. Sawada, T. Kurihara, A. Matsushita, S. Sugano, C. Jiang, H. Kaku, H. Inoue, and H. Takatsuji. 2011. Rice WRKY45 plays important roles in fungal and bacterial disease resistance. *Molecular Plant Pathology* 13:83-94.
- Sun, Z., K. Liu, J. Zhang, Y. Zhang, K. Xu, D. Yu, J. Wang, L. Hu, L. Chen. and C. Li. 2017. IAA producing *Bacillus altitudinis* alleviates iron stress in *Triticum aestivum* L. seedling by both bioleaching of iron and up-regulation of genes encoding ferritins. *Plant Soil* 419:1–11
- Verma, S.C., A. Singh, Chowdhury, S.P., Tripathi, A.K., 2004. Endophytic colonization ability of two deep-water rice endophytes, *Pantoea* sp. and *Ochrobactrum* sp. using green fluorescent protein reporter. *Biotechnol. Lett.* 26, 425–429.
- Wulandari, N. 2015. Isolasi Bakteri Endofit dari Empat Varietas Tanaman Padi (*Oryza Sativa* L.) yang Mampu Menghasilkan Amonium dan Indole-3acetic Acid (IAA). Fakultas Pertanian. Universitas Gadjah Mada. Skripsi.
- Zhu, J., M. Li, and M. Whelan. 2018. Phosphorus activators contribute to legacy phosphorus availability in agricultural soils: a review. *Science Total Environment* 612:522–537.