climate table references-

1. Chetphilin Suriyasak, Yui Oyama, Toshiaki Ishida, Kiyoshi Mashiguchi, Shinjiro Yamaguchi, Norimitsu Hamaoka, Mari Iwaya‐Inoue & Yushi Ishibashi. *Mechanism of delayed seed germination caused by high temperature during grain filling in rice (Oryza sativa L.)*. [*Scientific Reports*](https://www.nature.com/srep). 17378 (2020). <https://doi.org/10.1038/s41598-020-74281-9>
2. Sergio Saia, Vito Rappa, Paolo Ruisi, Maria Rosa Abenavoli, Francesco Sunseri, Dario Giambalvo1, Alfonso S. Frenda and Federico Martinelli. *Soil inoculation with symbiotic microorganisms promotes plant growth and nutrient transporter genes expression in durum wheat*. [*Front. Plant Sci.*](https://www.frontiersin.org/journals/plant-science/articles/10.3389/fpls.2015.00815/full) *. Volume 6 - 2015.* [*https://doi.org/10.3389/fpls.2015.00815*](https://doi.org/10.3389/fpls.2015.00815)
3. Adeline Neiverth a, Suellen Delai b, Dayane M. Garcia b, Kleber Saatkamp b, Emanuel Maltempi de Souza c, Fábio de Oliveira Pedrosa c, Vandeir Francisco Guimarães a, Marise Fonseca dos Santos b, Eliane Cristina Gruszka Vendruscolo b, Antonio Carlos Torres da Costa a. . *Performance of different wheat genotypes inoculated with the plant growth promoting bacterium Herbaspirillum seropedicae.* [*European Journal of Soil Biology*](https://www.sciencedirect.com/journal/european-journal-of-soil-biology)*.*

[*Volume 64*](https://www.sciencedirect.com/journal/european-journal-of-soil-biology/vol/64/suppl/C)*. Pages 1-5.* [*https://doi.org/10.1016/j.ejsobi.2014.07.001*](https://doi.org/10.1016/j.ejsobi.2014.07.001)

1. Haowei Yu a b, Weixin Zou c d b, Jianjun Chen e, Hao Chen f, Zebin Yu g, Jun Huang h i, Haoru Tang a, Xiangying Wei j, Bin Gao b. *Biochar amendment improves crop production in problem soils: A review.* [*Journal of Environmental Management*](https://www.sciencedirect.com/journal/journal-of-environmental-management)*.* [*Volume 232*](https://www.sciencedirect.com/journal/journal-of-environmental-management/vol/232/suppl/C)*. Pages 8-21.* [*https://doi.org/10.1016/j.jenvman.2018.10.117*](https://doi.org/10.1016/j.jenvman.2018.10.117)
2. Christian Santos-Medellín1,4,7, Zachary Liechty1,7, Joseph Edwards1,5, Bao Nguyen1,6, Bihua Huang2, Bart C. Weimer 2 and Venkatesan Sundaresan 1,3. *Prolonged drought imparts lasting compositional changes to the rice root microbiome.*[*Nature Plants*](https://www.nature.com/nplants)*. Pages 1065–1077 (2021).*

[*https://doi.org/10.1038/s41477-021-00967-1*](https://doi.org/10.1038/s41477-021-00967-1)

1. Dhurba Neupane 1 , Pramila Adhikari 2, Dwarika Bhattarai 3, Birendra Rana 4, Zeeshan Ahmed 5, Umanath Sharma 6 and Debraj Adhikari 7. *Does Climate Change Affect the Yield of the Top Three Cereals and Food Security in the World?.* [*Earth*](https://www.mdpi.com/journal/earth)[*Volume 3*](https://www.mdpi.com/2673-4834/3) *, 45-71.* [*https://doi.org/10.3390/earth3010004*](https://doi.org/10.3390/earth3010004)
2. Parashuram Bhantana1,2,3 & Muhammad Shoaib Rana1,2 & Xue-cheng Sun1,2 & Mohamed G. Moussa1,2 & Muhammad Hamzah Saleem4 & Muhamad Syaifudin1,2 & Ashrafuzzaman Shah1,2 & Amrit Poudel3 & Amar Bahadur Pun3 & Mufid Alam Bhat5 & Dhanik Lal Mandal3 & Sujit Shah3,6 & Dong Zhihao1,2 & Qiling Tan1,2 & Cheng-Xiao Hu1,2. *Arbuscular mycorrhizal fungi and its major role in plant growth, zinc nutrition, phosphorous regulation and phytoremediation.* [*Symbiosis*](https://link.springer.com/journal/13199) *. Volume 84, pages 19–37.* [*https://doi.org/10.1007/s13199-021-00756-6*](https://doi.org/10.1007/s13199-021-00756-6)
3. Farhana Bibi 1 andAzizur Rahman 2. *An Overview of Climate Change Impacts on Agriculture and Their Mitigation Strategies.* [*Agriculture*](https://www.mdpi.com/journal/agriculture) *. 13(8), 1508.* [*https://doi.org/10.3390/agriculture13081508*](https://doi.org/10.3390/agriculture13081508)
4. Ayomide Emmanuel Fadiji a, Ajar Nath Yadav b, Gustavo Santoyo c, Olubukola Oluranti Babalola a. *Understanding the plant-microbe interactions in environments exposed to abiotic stresses: An overview.* [*Microbiological Research*](https://www.sciencedirect.com/journal/microbiological-research)*.* [*Volume 271*](https://www.sciencedirect.com/journal/microbiological-research/vol/271/suppl/C)*, June 2023, 127368.*

[*https://doi.org/10.1016/j.micres.2023.127368*](https://doi.org/10.1016/j.micres.2023.127368)

1. Fitzpatrick, Connor R., Copeland, Julia, Wang, Pauline W., Guttman, David S., Kotanen, Peter M., Johnson, Marc T. J. . *Assembly and ecological function of the root microbiome across angiosperm plant species.* [*PNAS*](https://www.pnas.org/doi/full/10.1073/pnas.1717617115)*. 115 (6) E1157-E1165.* [*https://doi.org/10.1073/pnas.1717617115*](https://doi.org/10.1073/pnas.1717617115)
2. Muhammad Aaqil Khan1, Sajjad Asaf2 , Abdul Latif Khan2, Rahmatullah Jan1, Sang-Mo Kang1, Kyung-Min Kim1 and In-Jung Lee1.*Thermotolerance effect of plant growth-promoting Bacillus cereus SA1 on soybean during heat stress.* [*BMC Microbiology. 175.* https://doi.org/10.1186/s12866-020-01822-7](https://bmcmicrobiol.biomedcentral.com/)
3. Ahmed M. A. Mousa 1,Ahmed M. A.-G. Ali 2,Abdelrahman E. A. Omar 2,Khadiga Alharbi 3,Diaa Abd El-Moneim 4,Elsayed Mansour 2,\* andRasha S. A. Elmorsy 1. *Physiological, Agronomic, and Grain Quality Responses of Diverse Rice Genotypes to Various Irrigation Regimes under Aerobic Cultivation Conditions.* [*Life*](https://www.mdpi.com/journal/life)*. 14(3), 370.* [*https://doi.org/10.3390/life14030370*](https://doi.org/10.3390/life14030370)
4. Muhammad Naveeda, Birgit Mitter a, Thomas G. Reichenauer b, Krzysztof Wieczorekc, Angela Sessitscha. *Increased drought stress resilience of maize through endophytic*
5. *colonization by Burkholderia phytofirmans PsJN and Enterobacter sp. FD17.* [*Environmental and Experimental Botany*](https://www.sciencedirect.com/journal/environmental-and-experimental-botany)*.* [*Volume 97*](https://www.sciencedirect.com/journal/environmental-and-experimental-botany/vol/97/suppl/C)*, Pages 30-39.* [*https://doi.org/10.1016/j.envexpbot.2013.09.014*](https://doi.org/10.1016/j.envexpbot.2013.09.014).

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