

REFERENCES

- Abanoz, H., & Kunduhoglu, B. (2018). Antimicrobial Activity of a Bacteriocin Produced by *Enterococcus faecalis* KT11 against Some Pathogens and Antibiotic-Resistant Bacteria. *Korean Journal For Food Science Of Animal Resources*, 38(5), 1064-1079. <https://doi.org/10.5851/kosfa.2018.e40>
- Boontawan, P. (2010). Development of Lactic Acid Production Process From Cassava By Using Lactic Acid Bacteria (Ph.D). Suranaree University of Technology.
- Caulier, S., Nannan, C., Gillis, A., Licciardi, F., Bragard, C., & Mahillon, J. (2019). Overview of the Antimicrobial Compounds Produced by Members of the *Bacillus subtilis* Group. *Frontiers In Microbiology*, 10. <https://doi.org/10.3389/fmicb.2019.00302>
- Cheng, H., Jiang, S., & Hu, J. (2019). Gut-Brain Axis: Probiotic, *Bacillus subtilis*, Prevents Aggression via the Modification of the Central Serotonergic System. *Oral Health By Using Probiotic Products*. <https://doi.org/10.5772/intechopen.86775>
- Cheng, L., Lin, W., Li, P., Huang, J., & Luo, L. (2014). Comparison of microbial communities between normal and swollen canned soy sauces using nested PCR-denaturing gradient gel electrophoresis, HPLC and plate techniques. *International Journal Of Food Science & Technology*, 49(11), 2499-2505. <https://doi.org/10.1111/ijfs.12575>
- Chhetri, V., Prakitchaiwattana, C., & Settachaimongkon, S. (2019). A potential protective culture; halophilic *Bacillus* isolates with bacteriocin encoding gene against *Staphylococcus aureus* in salt added foods. *Food Control*, 104, 292-299. <https://doi.org/10.1016/j.foodcont.2019.04.043>

- Det-udom, R., Gilbert, C., Liu, L., Prakitchaiwattana, C., Ellis, T., & Ledesma-Amaro, R. (2019). Towards semi-synthetic microbial communities: enhancing soy sauce fermentation properties in *B. subtilis* co-cultures. *Microbial Cell Factories*, 18(1). <https://doi.org/10.1186/s12934-019-1149-2>
- Devanthi, P., & Gkatzionis, K. (2019). Soy sauce fermentation: Microorganisms, aroma formation, and process modification. *Food Research International*, 120, 364-374. doi: 10.1016/j.foodres.2019.03.010
- Diez-Simon, C., Eichelsheim, C., Mumm, R., & Hall, R. (2020). Chemical and Sensory Characteristics of Soy Sauce: A Review. *Journal Of Agricultural And Food Chemistry*, 68(42), 11612-11630. <https://doi.org/10.1021/acs.jafc.0c04274>
- Eom, J., Seo, B., & Choi, H. (2015). Biogenic Amine Degradation by *Bacillus* Species Isolated from Traditional Fermented Soybean Food and Detection of Decarboxylase-Related Genes. *Journal Of Microbiology And Biotechnology*, 25(9), 1519-1527. <https://doi.org/10.4014/jmb.1506.06006>
- Gao, X., Zhang, J., Liu, E., Yang, M., Chen, S., & Hu, F. et al. (2019). Enhancing the taste of raw soy sauce using low intensity ultrasound treatment during moromi fermentation. *Food Chemistry*, 298, 124928. <https://doi.org/10.1016/j.foodchem.2019.05.202>
- Jang, M., Jeong, D., Heo, G., Kong, H., Kim, C., & Lee, J. (2021). Genetic Background Behind the Amino Acid Profiles of Fermented Soybeans Produced by Four *Bacillus* spp. *Journal Of Microbiology And Biotechnology*, 31(3), 447-455. <https://doi.org/10.4014/jmb.2012.12051>
- Jiang, X., Xu, Y., Ye, J., Yang, Z., Huang, S., Liu, Y., & Zhou, S. (2019). Isolation, identification and application on soy sauce fermentation flavor bacteria of CS1.03. *Journal Of Food Science And Technology*, 56(4), 2016-2026. <https://doi.org/10.1007/s13197-019-03678-w>

- Kim, Y., Cho, S., Jeong, D., & Uhm, T. (2012). Isolation of Biogenic Amines-Degrading Strains of *Bacillus subtilis* and *Bacillus amyloliquefaciens* from Traditionally Fermented Soybean Products. *The Korean Journal Of Microbiology*, 48(3), 220-224. <https://doi.org/10.7845/kjm.2012.042>
- Kong, Y., Zhang, L., Zhang, Y., Sun, B., Sun, Y., Zhao, J., & Chen, H. (2018). Evaluation of non-volatile taste components in commercial soy sauces. *International Journal Of Food Properties*, 21(1), 1854-1866. <https://doi.org/10.1080/10942912.2018.1497061>
- Lee, H., Zhang, W., Lee, J., & Kim, Y. (2020). Qualitative analysis of soy sauces made from fresh okara using two fermentation methods. *Journal Of Food Processing And Preservation*, 44(4). <https://doi.org/10.1111/jfpp.14402>
- Lee, S., Lee, J., Jin, Y., Jeong, J., Chang, Y., & Lee, Y. et al. (2021). Probiotic characteristics of *Bacillus* strains isolated from Korean traditional soy sauce. Retrieved 9 December 2021, from.
- Lesschaeve, I., & Noble, A. (2005). Polyphenols: factors influencing their sensory properties and their effects on food and beverage preferences. *The American Journal Of Clinical Nutrition*, 81(1), 330S-335S. <https://doi.org/10.1093/ajcn/81.1.330s>
- Lioe, H., Selamat, J., & Yasuda, M. (2010). Soy Sauce and Its Umami Taste: A Link from the Past to Current Situation. *Journal Of Food Science*, 75(3), R71-R76. <https://doi.org/10.1111/j.1750-3841.2010.01529.x>
- Liu, J., Xia, W., Abdullahi, A., Wu, F., Ai, Q., Feng, D., & Zuo, J. (2014). Purification and Partial Characterization of an Acidic α -Amylase from a Newly Isolated *Bacillus subtilis* ZJ-1 that may be Applied to Feed Enzyme. *Preparative Biochemistry And Biotechnology*, 45(3), 259-267. <https://doi.org/10.1080/10826068.2014.907184>

- Liu, X., Lee, J., Jeong, S., Cho, K., Kim, G., & Shin, J. et al. (2021). Properties of a Bacteriocin Produced by *Bacillus subtilis* EMD4 Isolated from Ganjang (Soy Sauce). *Journal of Microbiology and Biotechnology*, 25(9), 1493–1501. <http://dx.doi.org/10.4014/jmb.1502.02037>
- Mah, J., Park, Y., Jin, Y., Lee, J., & Hwang, H. (2019). Bacterial Production and Control of Biogenic Amines in Asian Fermented Soybean Foods. *Foods*, 8(2), 85. <https://doi.org/10.3390/foods8020085>
- Maruyama, Y., Yasuda, R., Kuroda, M., & Eto, Y. (2012). Kokumi Substances, Enhancers of Basic Tastes, Induce Responses in Calcium-Sensing Receptor Expressing Taste Cells. *Plos ONE*, 7(4), e34489. <https://doi.org/10.1371/journal.pone.0034489>
- Parisot, J., Carey, S., Breukink, E., Chan, W., Narbad, A., & Bonev, B. (2008). Molecular Mechanism of Target Recognition by Subtilin, a Class I Lanthionine Antibiotic. *Antimicrobial Agents And Chemotherapy*, 52(2), 612-618. <https://doi.org/10.1128/aac.00836-07>
- Röling, W., Apriyantono, A., & Van Verseveld, H. (1996). Comparison between traditional and industrial soy sauce (kecap) fermentation in Indonesia. *Journal Of Fermentation And Bioengineering*, 81(3), 275-278. doi: 10.1016/0922-338x(96)82223-9
- Sharma, G., Dang, S., Gupta, S., & Gabrani, R. (2018). Antibacterial Activity, Cytotoxicity, and the Mechanism of Action of Bacteriocin from *Bacillus subtilis* GAS101. *Medical Principles And Practice*, 27(2), 186-192. <https://doi.org/10.1159/000487306>
- Shelburne, C., An, F., Dholpe, V., Ramamoorthy, A., Lopatin, D., & Lantz, M. (2006). The spectrum of antimicrobial activity of the bacteriocin subtilisin A. *Journal Of Antimicrobial Chemotherapy*, 59(2), 297-300. <https://doi.org/10.1093/jac/dkl495>
- Suzuki, H., Fukuyama, K., & Kumagai, H. (2020). Bacterial γ -glutamyltranspeptidases, physiological function, structure, catalytic mechanism and application. *Proceedings*

Of The Japan Academy, Series B, 96(9), 440-469.

<https://doi.org/10.2183/pjab.96.033>

Tamang, J., Watanabe, K., & Holzapfel, W. (2016). Review: Diversity of Microorganisms in Global Fermented Foods and Beverages. *Frontiers In Microbiology*, 7. <https://doi.org/10.3389/fmicb.2016.00377>

Yang, J., Bai, W., Zeng, X., & Cui, C. (2019). Gamma glutamyl peptides: The food source, enzymatic synthesis, kokumi-active and the potential functional properties – A review. *Trends In Food Science & Technology*, 91, 339-346. <https://doi.org/10.1016/j.tifs.2019.07.022>

Zhao, C., Schieber, A., & Gänzle, M. (2016). Formation of taste-active amino acids, amino acid derivatives and peptides in food fermentations – A review. *Food Research International*, 89, 39-47. <https://doi.org/10.1016/j.foodres.2016.08.042>