

Abiotic stress responses and microbe-mediated mitigation in plants: The omics strategies

Meena, Kamlesh K.; Sorty, Ajay M.; Bitla, Utkarsh M.; Choudhary, Khushboo; Gupta, Priyanka; Pareek, Ashwani; Singh, Dhananjaya P.; Prabha, Ratna; Sahu, Pramod K.; **Gupta, Vijai Kumar** *Frontiers in plant science* 2017 / art. 172, 25 p. : ill

<https://doi.org/10.3389/fpls.2017.00172> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Current state of the art of analyte scope in urine metabolome analysis by non-hydrogenative PHIP

Reimets, Nele; Ausmees, Kerti; Reile, Indrek *Journal of Magnetic Resonance Open* 2024 / art. 100171, 5 p. : ill

<https://doi.org/10.1016/j.jmro.2024.100171>

Deciphering the omics of plant-microbe interaction: perspectives and new insights

Sharma, Minaxi; Sudheer, Surya; **Usmani, Zeba**; Rani, Rupa; Gupta, Pratishtha *Current genomics* 2020 / p. 343-362

<https://doi.org/10.2174/1389202921999200515140420> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Human centenarian-associated SIRT6 mutants modulate hepatocyte metabolism and collagen deposition in multilineage hepatic 3D spheroids

Frohlich, Jan; Raffaele, Marco; Skalova, Helena; Leire, Eric; Pata, Ilar; **Pata, Pille**; Gorbunova, Vera; Vinciguerra, Manlio

GeroScience 2023 / p. 1177 - 1196 <https://doi.org/10.1007/s11357-022-00713-1> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Inhibition of pyruvate dehydrogenase kinase influence microbiota and metabolomic profile in pancreatic cancer xenograft mice

Adamberg, Kaarel; Vilu, Raivo; Pazienza, Valerio *BMC Research Notes* 2020 / art. 540 <https://doi.org/10.1186/s13104-020-05384-9>

[Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Integrated transcriptomic, proteomic, and metabolomics analysis reveals peel ripening of harvested banana under natural condition

Yun, Ze; Li, Taotao; Gao, Huijun; Zhu, Hong; **Gupta, Vijai Kumar**; Jiang, Yueming; Duan, Xuewu *Biomolecules* 2019 / Art. nr. 167

<https://doi.org/10.3390/biom9050167> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Molecular profile of the rat peri-infarct region four days after stroke : Study with MANF

Teppo, Jaakko; Vaikkinen, Anu; Stratoulis, Vassilis; Mätilä, Kert; **Smolander, Olli-Pekka** *Experimental neurology* 2020 / art.

113288, 19 p. : ill <https://doi.org/10.1016/j.expneurol.2020.113288> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

The need for an integrated multi-OMICS approach in microbiome science in the food system

Ferrocino, Ilario; Rantsiou, Kalliopi; McClure, Ryan; Kostic, Tanja; Correa de Souza, Rafael Soares; Lange, Lene; FitzGerald, Jamie; Krija, Aicha; **Sarand, Inga** *Comprehensive Reviews in Food Science and Food Safety* 2023 / p. 1082-1103

<https://doi.org/10.1111/1541-4337.13103>

New insights into the evolution of host specificity of three *Penicillium* species and the pathogenicity of *P. italicum* involving the infection of Valencia orange (*Citrus sinensis*)

Gong, Liang; Liu, Yongfeng; Xiong, Yehui; Li, Taotao; Yin, Chunxiao; Zhao, Juanni; Yu, Jialin; Yin, Qi; **Gupta, Vijai Kumar**; Jiang,

Yueming *Virulence* 2020 / 20 p. : ill <https://doi.org/10.1080/21505594.2020.1773038> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

The metabolic pattern could be useful for better understanding of the etiology of cardiovascular diseases

Titma, Tiina; Shin, Min-Ji; Ludwig, Christian; Günther, Ulrich L.; Pikta, Marika; **Zemtsovskaja, Galina; Viigimaa, Margus; Tanner,**

Risto 1st Nordic Metabolomics Conference, 26–28 August 2018 Örebro, Sweden : abstract book 2018 / p. 92-93

https://www.oru.se/contentassets/8ce68e72859b49ad9a8bcb96acd612f6/program_abstract-book_2018.pdf

The metabolic profile of ischemic heart disease by serum ¹H NMR

Shin, Min-Ji; Titma, Tiina; Ludwig, Christian; Günther, Ulrich L.; Pikta, Marika; **Zemtsovskaja, Galina; Viigimaa, Margus; Tanner,**

Risto; Samoson, Ago 2017 Annual Meeting : abstract supplement : late-breaking abstract submissions : 2017, Baltimore 2017 / p.

154 <https://www.toxicology.org/pubs/docs/Tox/2017ToxSup.pdf>

Understanding Parahydrogen Hyperpolarized Urine Spectra : The Case of Adenosine Derivatives

Ausmees, Kerti; **Reimets, Nele**; Reile, Indrek *Molecules* 2022 / art. 802, 9 p. : ill <https://doi.org/10.3390/molecules27030802>