

PUBLICATIONS

Publications in WOS core collection database:

- 1) Leontovyčová H, Kalachova T, **Janda M***. (2020). Disrupted actin: a novel player in pathogen attack sensing? **New Phytologist**, doi: 10.1111/nph.16584
- 2) Pluhařová K, Leontovyčová H, Stoudková V, Pospíchalová R, Maršík P, Klouček P, Starodubtseva A, Iakovenko O, Krčková Z, Valentová O, Burketová L, **Janda M***, Kalachova T*. (2019). "Salicylic Acid Mutant Collection" as a tool to explore the role of salicylic acid in regulation of plant growth under a changing environment. **International Journal of Molecular Science**, doi: 10.3390/ijms20246365
- 3) Trdá, L, **Janda M**, Macková D, Pospíchalová R, Dobrev P, Burketová L, Matušinsky P. (2019). Dual mode of the saponin aescin in plant protection: antifungal agent and plant defense elicitor. **Frontiers in Plant Science**, 10, 1448. doi: 10.3389/fpls.2019.01448
- 4) Kalachova T, Leontovyčová H, Iakovenko O, Pospíchalová R, Maršík P, Klouček P, **Janda M**, Valentová O, Kocourková D, Martinec J, Burketová L, Ruelland E. (2019). Interplay between phosphoinositides and actin cytoskeleton in the regulation of immunity related responses in *Arabidopsis thaliana* seedlings, **Environmental and Experimental Botany**, 167, doi: org/10.1016/j.envexpbot.2019.103867
- 5) Leontovyčová H, Kalachova T, Trdá L, Pospíchalová R, Lamparová L, Dobrev PI, Malínská K, Burketová L, Valentová O, **Janda M.*** (2019). Actin depolymerization is able to increase plant resistance against pathogens via activation of salicylic acid signalling pathway. **Scientific reports**, 9, 1-10. doi: 10.1038/s41598-019-46465-5
- 6) Kalachova T**, **Janda M****, Šašek V, Ortmannová J, Nováková P, Dobrev P, Kravets Guivarc'h A, Moura D, Burketová L, Valentová O, Ruelland E. (2019). Identification of salicylic acid-independent responses in an *Arabidopsis* phosphatidylinositol 4-kinase beta double mutant. **Annals of Botany**, doi.org/10.1093/aob/mcz112
- 7) **Janda M***, Lamparová L*, Zubíková A, Burketová L, Martinec J, Krčková Z. (2019). Temporary heat stress suppresses PAMP-triggered immunity and resistance to bacteria in *Arabidopsis thaliana*. **Molecular Plant Pathology**, doi: 10.1111/mpp.12799
- 8) Kroumanová K, Kocourková D., Daněk M, Lamparová L, Pospíchalová R, Malínská K, Krčková Z, Burketová L, Valentová O, Martinec J, **Janda M.*** (2019). Characterisation of *Arabidopsis* flotillins in response to stresses. **Biologia plantarum**, 63, 144-152, doi: 10.32615/bp.2019.017
- 9) Junková P, Daněk M, Kocourková D, Brouzdová J, Kroumanová K, Zelazny E, **Janda M**, Hynek R, Martinec J, Valentová O. (2018). mapping of plasma membrane proteins interacting with *Arabidopsis thaliana* flotillin 2. **Frontiers in Plant Science**, doi: 10.3389/fpls.2018.00991
- 10) Krčková Z, Kocourková D, Daněk M, Brouzdová J, Pejchar P, **Janda M**, Pokotýlo I, Ott P, Valentová O, Martinec J. (2018). The *Arabidopsis thaliana* NON-SPECIFIC PHOSPHOLIPASE C2 is involved in response to *Pseudomonas syringae* attack. **Annals of Botany**, 12; 121; 297-310 doi: 10.1093/aob/mcx160
- 11) Pečenková T**, **Janda M****, Ortmannová J, Hajná V, Stehlíková Z, Žárský V. (2017) Early *Arabidopsis* root hair growth stimulation by pathogenic strains of *Pseudomonas syringae*. **Annals of Botany**, doi: 10.1093/aob/mcx073
- 12) **Janda M**, Šašek V, Chmelařova H, Andrejch J, Nováková M, Hajšlová J, Burketová L, Valentová O. (2015). Phospholipase D affects translocation of NPR1 to the nucleus in *Arabidopsis thaliana*. **Frontiers in Plant Science**, 6, 59. doi: 10.3389/fpls.2015.00059
- 13) **Janda M****, Ježková L**, Nováková M, Valentová O, Burketová L, Šašek V. (2015). Identification of phospholipase D genes in *Brassica napus* and the transcriptional analysis after phytohormone treatment and pathogen infection. **Biologia Plantarum**, 59: 581-590. doi: 10.1007/s10535-015-0513-2
- 14) **Janda M**, Navrátil O, Haisel D, Jindřichová B, Fousek J, Burketová L, Čeřovská N, Moravec T. (2015) Growth and stress response in *Arabidopsis thaliana*, *Nicotiana benthamiana*, *Glycine max*, *Solanum tuberosum* and *Brassica napus* cultivated under polychromatic LEDs. **Plant Methods**, 11: 31 doi:10.1186/s13007-015-0076-4
- 15) Šašek V, **Janda M**, Delage E, Puyaubert J, Guivarc'h A, López Maseda E, Dobrev P, Caius J, Bóka K, Valentová O, Burketová L, Zachowski A, Ruelland E. (2014). Constitutive salicylic acid accumulation in pi4kIIIβ1β2 *Arabidopsis* plants stunts rosette but not root growth. **New Phytologist**, 203, 805-816. doi: 10.1111/nph.12822
- 16) Matoušková J, **Janda M**, Fišer R, Šašek V, Kocourková D, Burketová L, Dušková J, Martinec J, Valentová O. (2014) Changes in actin dynamics are involved in salicylic acid signaling pathway. **Plant Science**, 223, 36-44. doi: 10.1016/j.plantsci.2014.03.002
- 17) **Janda M**, Ruelland E. (2014). Magical mystery tour: Salicylic acid signalling, **Environmental and Experimental Botany**, doi: 10.1016/j.envexpbot.2014.07.003

18) Janda M, Planchais S, Djafi N, Martinec J, Burketová L, Valentová O, Zachowski A, Ruelland E. (2013). Phosphoglycerolipids are master players in plant hormone signal transduction. *Plant Cell Reports*, 32, 839-851. doi: 10.1007/s00299-013-1399-0

19) Janda M, Matoušková J, Burketová L, Valentová O. (2014) Interconnection between actin cytoskeleton and plant defence signalling, *Plant Signaling and Behavior*, doi: 10.4161/15592324.2014.976486

20) Janda M, Šašek V, Ruelland E. (2014) Distinct regulation of rosette and root growth in the salicylic acid-accumulating pi4klIIβ1β2 double mutant, *Plant Signaling and Behavior*, doi: 10.4161/15592324.2014.97721

Publications not in WOS core collection database:

1) Trdá L, Janda M*. (2016). Rostlinná imunita (Plant immunity), *Biopropect*, 26, 2, 20-24 ISSN: 1210-1737

2) Janda M, Valentová O. (2014). Kyselina salicylová (Salicylic acid), *Biopropect*, 24, 1, 9-12. ISSN: 1210-1737

3) Janda M. (2011). Transgenní stromy (Transgenic trees), *Biopropect*, 21, 2, 41-43. ISSN: 1210-1737

4) Amrahov N, Janda M, Mammadov Z, Valentová O, Burketová L, Quliyev A. (2019) Influence of salt stress on the flg22 induced ROS production in Arabidopsis thaliana leaves, *bioRxiv* 727040. doi: <https://doi.org/10.1101/727040>

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Contributions to Books:

Book chapter: Pokotylo I, **Janda M**, Kalachova T, Zachowski A, Ruelland E. (2017) Phosphoglycerolipid signalling in response to hormones under stress. In G.K. Pandey (Ed.), Mechanism of Plant Hormone Signaling Under Stress. Wiley Publisher, Hoboken, NJ, USA. doi: 10.1002/9781118889022.ch22