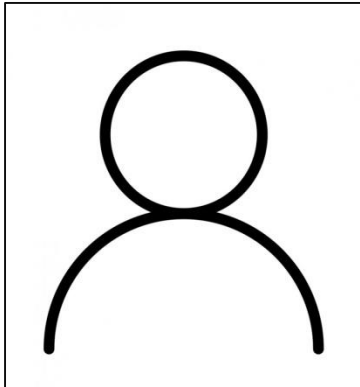


Name,surname, title Tomasz Warzecha, dr hab. inż. Prof. UR



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Consultation hours: Wednesday 1.00-3.00 p.m.

Research interest:

Plant breeding

Genetics

Plant Biotechnology

Research experience (are of intrest): Resistance plant breeding, changes in plant physiology during facultative pathogen infections, molecular and cytogenetics methods of plant identification, heterosis breeding, application of in vitro methods in plant breeding, wide crossing, double haploids application in plant breeding

Visiting Scholar : Research Associate at the Department of Plant Breeding and Genetics, Cornell University, Ithaca, USA (duration 3 months)

DSc, (Habilitation). 2017, Breeding and physiological aspects of the resistance of cereals to *Fusarium* spp. diseases.

PhD. 2001, Genetic differences in the susceptibility of naked and hulled DH lines to *Fusarium culmorum* (W.G.Sm.) Sacc.

Professional profiles:

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Research ID: -

Mendeley: -

Research Gate: https://www.researchgate.net/profile/Tomasz_Warzecha

Academia: -

Google Scholar:

LinkedIn: -

List of publications:

1. Warzecha T., Adamski T., Kaczmarek Z., Surma M., Goliński P., Perkowski J.M., Chełkowski J., Wiśniewska H., Krystkowiak K., Kuczyńska A. 2010. Susceptibility of hulled and hullless barley doubled haploids to *Fusarium culmorum* head blight. *Cereal Research Communications* 38, 220–232
2. Warzecha T., Adamski T., Kaczmarek Z., Surma M., Chełkowski J., Wiśniewska H., Krystkowiak K., Kuczyńska A. 2011. Genotype-by-environment interaction of barley DH lines infected with *Fusarium culmorum* (W.G.Sm.) Sacc. *Field Crops Research* 120: 21-30
3. Warzecha T., Lundh D., Mandal A. 2011. Effect of *Fusarium culmorum* infection on survivability of a T-DNA tagged mutant of *Arabidopsis thaliana* harboring a mutation in the peptide transporter gene At5g46050. *Biotechnologia* 92(1): 77-84
4. Warzecha T., Zieliński A., Skrzypek E., Wójtowicz T., Moś M. 2012. Effect of mechanical damage on vigor, physiological parameters, and susceptibility of oat (*Avena sativa*) to *Fusarium culmorum* infection. *Phytoparasitica* 40(1): 29-36
5. Nahar N., Rahman A., Moś M., Warzecha T., Algerin M., Ghosh S., Johnson-Brousseau S., and Mandal A. 2012. In silico and in vivo studies of an *Arabidopsis thaliana* gene ACR2 putatively involved in arsenic accumulation in plants. *Journal of Molecular Modeling*, 18: 4249-4262
6. Warzecha T., Skrzypek E., Sutkowska A. 2015. Effect of *Fusarium culmorum* infection on the selected physiological and biochemical parameters of barley (*Hordeum vulgare* L.) DH lines. *Physiological and Molecular Plant Pathology* 89: 62–69
7. Sutkowska A., Boroń P., Warzecha T. and Mitka J. 2017. Hybridization and introgression among three *Aconitum* (Ranunculaceae) species of different ploidy levels in the Tatra Mts (Western Carpathians), *Plant Species Biology*, 32: 292–303
8. Sidhu G., Warzecha T., Pawłowski W., 2017. Evolution of meiotic recombination genes in maize and teosinte. *BMC Genomics*, 18:106, s.:1-17
9. Skrzypek E., Warzecha T., Noga A., Warchoń M., Czyczyło-Mysza I., Dziurka K., Marcińska I., Kapłoniak K., Sutkowska A., Nita Z., Werwińska K., Idziak-Helmcke D., Rojek M., Hosiawa-Barańska M. 2018. Complex characterization of oat (*Avena sativa* L.) lines obtained by wide crossing with maize (*Zea mays* L.). *PeerJ* 6:e5107

10. Warzecha T. , Skrzypek E., Adamski T., Surma M., Kaczmarek Z., Sutkowska A. 2019. Chlorophyll a fluorescence parameters of hulled and hull-less barley (*Hordeum vulgare* L.) DH lines inoculated with *Fusarium culmorum*. *The Plant Pathology Journal* 35 (2): 112-124