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PUBLICATIONS

Review article:

Rashid, A. (2016). Defense responses of plant cell wall non-catalytic proteins against pathogens. *Physiol. Mol. Plant Pathol.* 94, 38-46.

Book publication:

Rashid, A. (2012) Development of transgenic plants through application of reverse genetics. pp 232; ISBN-13: 978-3-8465-4625-3; LAP LAMBERT Academic Publishing GmbH & Co. KG; Heinrich-Böcking-Str. 6-8, 66121, Saarbrücken, Germany.

AGRI-FACTS publication:

Rashid, A. et al., (2001). Plant bioassay techniques for detecting and identifying herbicide residues in soil. Agri-Facts: Practical information for Alberta's Agriculture Industry. Agdex # 609-1, Edmonton, Alberta, Canada.

Journal articles:

Rashid A., and Schutte, B. A simple and inexpensive colorimetric assay for detecting weed seed mortality. Manuscript in preparation.

Gines, M., Baldwin, T., **Rashid, A.**, Bregitzer, P., Maughan, P.J., Jellen, EN., Esvelt Klos, K. (2018). Selection of expression reference genes with demonstrated stability in barley among a diverse set of tissues and cultivars. *Crop Sci.* 58,332–341.

Rashid, A. et al., (2017). A high-throughput RNA extraction for sprouted single-seed barley (*Hordeum vulgare* L.) rich in polysaccharides. *Plants*, 6, 1-6.

Rashid, A. (2017). Comparison of a kanamycin versus hygromycin resistance gene in transgenic plant selection of *Arabidopsis thaliana* L. *Adv. Cell Sci. Tiss. Cult.* 1, 1-3

Rashid, A. and Deyholos MK (2015). Phylogenetic relationship and *in silico* expression profile of PELPK1 of *Arabidopsis thaliana* (L.) Heynh. *Intern'l. J. Biosci.* 6, 93-99.

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Hwang, S-F, Ahmed, H., Zhou, Q., **Rashid, A.**, Strelkov, S., Gossen, B., Peng, G. and Turnbull, G. (2013). Effect of susceptible and resistant canola plants on *Plasmodiophora brassicae* resting spore populations in the soil. *Plant Pathol.* 62, 404-412.

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CLIENT REPORTS

- Rashid, A., Davies, M., Barrett, M., Palli, R.** (2013). "Keeping the Genie in the Bottle": placing transgenic agronomic traits under the control of 'gene switch' technology to facilitate phenotype containment. KTRDC Annual Report, Univ. of Kentucky, Lexington, Kentucky, USA.
- Rashid, A.** and O'Donovan, J.T. (2001). Defining Climatic factors that reduce crop tolerance and weed control with herbicides. AARI Final Report; Project # 98M218,
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- Rashid, A.** (1996-2001). Herbicide damage diagnostic, and herbicide residue and resistance detection services. >100 reports provided to Producers, and Alberta Environmental Protection, Edmonton, Alberta, Canada.
- Rashid, A.** (2000). Development of a bioassay for Pursuit® (*imazethapyr*) residues in soil, and investigation of Pursuit® carryover injury to sensitive rotational crops. Report to Westco Fertilizers Ltd., Canada.
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ABSTRACTS AND PRESENTATIONS

- Rashid, A.** (2017). *Keeping the genie in the bottle*: a concept of containing herbicide-tolerant traits in crop plants by using a genetic switch. Seminar presentation at the Dept. of

- Entomology, Plant Pathology, and Weed Science, New Mexico State University, Las Cruces, NM; November 29, 2017.
- Rashid, A. et al.**, (2017). Genetic improvement of barley through chemical mutagenesis and cross-breeding techniques. Presented at the USDA-ARS PWA, Aberdeen, Idaho; June 13th 2017.
- Rashid, A. et al.**, (2016). Fast high-quality single-seed RNA extraction from sprouted malting barley rich in polysaccharides Presented at the 12th International Barley Genetic Symposium, Minneapolis, MN; June 26-30, 2016; Abstract #155.
- Rashid, A.** (2014). Management of imidazolinone herbicide tolerance trait in crop plants: Application of an externally regulated genetic switch. Presented at the KTRDC, Univ. of Kentucky, Lexington, KY; February 12th, 2014.
- Deyholos, M.K., Rashid, A. et al.** (2013). The intrinsically disordered Pan-Proteome, and characterization of growth promoting IDPs. Abstract #78, ASPB meeting (Western Section) April 12-13, 2013; University of California, Davis.
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- Rashid A. et al.** (2011). Effect of a wide range of pH values on resting spore germination and clubroot (*Plasmodiophora brassicae*) severity on canola. Abstract # 8; presented at the 32nd Annual Meeting of the Plant Pathology Society of Alberta, Univ. of Alberta, Edmonton, AB. Canada. November 7-9, 2011.
- Rashid, A.** (2011). Bioinformatics and mutational analysis of *PELPK1* in *Arabidopsis thaliana*. Presented at the Dale Bumpers National Rice Research Center, USDA-ARS, East Stuttgart, Arkansas.
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- Rashid, A. and Checkel, S.** (2001). Factors affecting barley tolerance to graminicides. Presented at the Board of Directors, Alberta Barley commission, Alberta, Canada
- Rashid, A and Checkel, S.** (2001). Plant bioassay techniques for detecting Pursuit® (*imazethapyr*) residues in soil. On Farm Demo., Parkland Conservation Farm, Alberta, Canada.
- Rashid, A. and Checkel, S.** (2001). A barley bioassay for detecting Everest® (*flucarbazone-sodium*) residues in various soil types of Alberta. Demonstrated at the Board of Directors meeting, Alberta Barley commission, Alberta, Canada.

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