

KAAB International Symposium 2016
Poster session Program

- P-1 **Detection of Duplicated Gene Action of Dominant Epistasis Controlling Root Nodulation in Chickpeas**
¹Rozina Gul, ¹Hamayoon Khan and ²Ko Harada
¹ Faculty of Crop Production Sciences, the University of Agriculture Peshawar, Pakistan;
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- P-2 **Biosynthesis of polyprenylacetone: non-enzymatic cleavage of menaquinone by reactive oxygen species**
¹Daijiro Ueda, ¹Wataru Okamoto, ²Masayuki Hashimoto and ¹Tsutomu Sato
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- P-3 **Removal of Chromium from Aqueous Solution Using Hybrid Membrane of Chitosan and Silicon Dioxide**
¹Yanling Deng, ¹Meiling Pang, ¹Shunsuke Sekiguchi, ¹Ryo Yoshida, ²Naoki Kano, ²Hiroshi Imaizumi
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- P-4 **Effects of Phytoremediation on the uptake of arsenite by *Eichhornia crassipes* and *Salvinia molesta***
¹Kei Kusano, ¹Miyuki Wakabayashi, ¹Shuang Zhang, ²Shinichi Kado, ²Naoki Kano, ²Hiroshi Imaizumi
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- P-5 **Adsorption of heavy metallic ions on layered double hydroxides (LDHs) intercalated with chelating agents EDTA or EDDS**
¹Shuang Zhang, ¹Syo Minagawa, ¹Yanling Deng, ²Naoki Kano, ²Hiroshi Imaizumi
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- P-6 **Mechanical Loss Factor for Magnetic Elastomers with Nonmagnetic Particles**
^{1,2}Kazushi Nagashima, ^{1,2}Mika Kawai, and ^{1,2}Tetsu Mitsumata
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- P-7 **Correlation between magnetorheology and damping property for magnetic elastomers**
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- P-8 **Electrical Insulation Properties for Bioplastic Films from 4-Aminocinnamic Acid Photodimer**
^{1,2}Mika Kawai, ^{2,3}Tatsuo Kaneko, and ^{1,2,3}Tetsu Mitsumata
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- P-9 **Magnetorheological Effect for Magnetic Elastomers Driven Under High Load and Its Application**
^{1,3}Tsubasa Oguro, ^{1,2}Yasuhiro Umehara, ^{1,3}Mika Kawai and ^{1,3}Tetsu Mitsumata
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- P-10 **Effect of particle dispersibility on sound property for polyurethane magnetic elastomers**
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P-11 Whole-genome sequencing reveals a large deletion on chromosome 6 in a rice *wx* mutant

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P-12 Functional analysis of auxin biosynthesis, transport and signaling in root phototropism of *Arabidopsis Thaliana*

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P-13 Analysis of chitinolytic bacteria from freshwater lake

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P-14 Effect of planting density on the spikelet number in 'Tachiyaka', a rice (*Oryza sativa* L.) cultivar with a short panicle for whole-crop silage use

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P-15 Synergistic effect of plant growth regulators on early growth in direct-seeded rice

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P-16 Nondestructive Evaluation of Total Soluble Solids in Persimmon Fruit by Near Infrared Spectroscopy

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P-17 Imaging analysis of rice α -Amylase transport to plastids through the secretory pathway

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P-18 Functional analysis of TMN1 on transporting of Amylase I-1 to plastids via secretory pathway

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P-19 Hydrogen peroxide priming induces high temperature tolerance of rice plant

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P-20 Function and Molecular Structure of *Oryza sativa* α -Amylase I -1

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P-21 Comparative analysis of endosperm proteomes among seven rice cultivars varies in physicochemical properties of the starches.

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P-22 Reduction of rice grain quality grown under elevated CO₂ concentration

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P-23 Salinity Tolerance of Japonica Rice at Seedling Stage

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P-24 Non-destructive measurement of soluble tannin in astringent persimmon fruit using near-infrared spectroscopy

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P-25 Study about effective culture of microalgae

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P-26 Effects of Nitrogen nutrition on photosynthetic redox homeostasis in rice plants exposed to Elevated CO₂ condition

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P-27 Phytopathogens: a good opportunity to improve crop yields and quality; a case study of RICE

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P-28 Effect of Compost Supply and Mycorrhizal Inoculation on Growth of Date Palm (*Phoenix dactylifera* L.) Plants

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P-29 In vitro simulation of drought stress in *Medicago truncatula* seedlings

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P-30 Human native peptidome database for peptidomics

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