# 4 th Asian Allelopathy Society meeting
# Tokyo University of Agriculture and Technology, September 8-10, 2018

| Oral No. | Affiliation | Abstract title | Surname | First Name |
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| K-1 | Fujian Agriculture and Forestry University, China | Insights into the mechanism of proliferation on the special microbes mediated by phenolic acids in the *Radix pseudostellariae* rhizosphere under continuous monoculture regimes | Lin | Wenxiong |
| K-2 | Sultan Qaboos University, Oman | Using allelopathic approaches for ecological weed management in field crops | Farooq | Muhammad |
| K-3 | Kindai University, Japan | Allelopathy and allelochemicals between phytophagous insets and plants | Morimoto | Masanori |
| K-4 | University of Jordan, Jordan | Branched broomrape (*Orobanche ramosa* L.) control in tomato (*Lycopersicon esculentum* Mill.) by trap and other plant species in rotation | Qasem | Jamal R. |
| K-5 | Tokyo University of Agriculture and Technology, Japan | Protoplast co-culture method with digital image analysis for bioassay of allelopathy | Sasamoto | Hamako |
| K-6 | Fujian Agriculture and Forestry University, China | Control of Panama disease of banana by intercropping with Chinese chive: Role of allelochemcals | Zeng | Rensen |
| K-7 | University of Agriculture Faisalabad, Pakistan | ALLELOPATHIC EXTRACTS IMPROVE GROWTH AND YIELD OF WHEAT | Cheema | Zahid Ata |
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| O-1 | University of Tsukuba, Japan | Characterization of plant growth-promoting effect of γ-terpinene and β-caryophyllene in lettuce and maize seedlings | Ebina | S |
| O-2 | University of Tsukuba, Japan | Involvement of ROS and xyloglucan endotransglycosylase/hydrolase in S-(+)-carvone-induced growth inhibition in *Arabidopsis thaliana* seedlings | Saitoh | R |

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| **O-3** | University of Tsukuba, Japan | The existence of functional substances released from mycorrhizal fungi for the germination of *Spiranthes sinensis.* var. *amoena* | Chiba | S |
| **O-4** | Tokyo University of Agriculture and Technology, Japan | Determination of allelopathic potentialities of Bangladeshi plant species | BEGUM | Kohinoor |
| **O-5** | Tokyo University of Agriculture and Technology, Japan | Carnosic acid; the Principal Plant Growth Inhibitor in *Rosmarinus officinalis* Leaves | Appiah | Kwame Sarpong |
| **O-6** | Northwest A&F University, China | Effects of Garlic Allelochemical Diallyl Disulfide on Tomato and Its Mechanism in Alleviating Continuous Cropping Obstacle | Cheng | Zhihui |
| **O-7** | Northwest A&F University, China | Identification and allelopathic mechanism of green garlic volatiles on cucumber seedlings | Yang | Fan |
| **O-8** | Fujian Agriculture and Forestry University, China | Effect of Momilactone B on Seed Germination and Root Development of *Arabidopsis thaliana* and the Related Mechanisms | Lin | Xianhui |
| **O-9** | Pir Mehr Ali Shah Arid Agriculture University, Pakistan | Allelopathy in context of resolution at ecosystem level | Mustafa | Naureen |
| **O-10** | University of the Punjab, Pakistan | Management of charcoal rot of black gram by soil amendment with Ageratum conyzoides | Javaid | Arshad |
| **O-11** | Bahauddin Zakariya University, Pakistan | Allelopathic Water Extracts Helps Improve Drought Resistance during Reproductive Stages in Wheat | Nawaz | Ahmad |
| **O-12** | Bahauddin Zakariya University, Pakistan | Combined application of natural plant water extracts and biochar improves the productivity of bread wheat | Ijaz | Muhammad |
| **O-13** | Pir Mehr Ali Shah Arid Agriculture University, Pakistan | Allelopathic potential of African Marigold (*Tagetas erecta*) for managing root knot nematode (*Meloidogyne incognita*) in tomato | Khan | Muhammad Azam |

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| **O-14** | Fujian Agriculture and Forestry University, China | The role of negatively indirect allelopathy in tea consecutively monoculture ratooning problems | Arafat | Yasir |
| **O-15** | University of Gujrat, Pakistan | Identification of antifungal constituents from *Agaricus bisporus* (J.E. Lange) Imbach | Akbar | Muhammad |
| **O-16** | Fujian Agriculture and Forestry University, China | Change on the allelopathy and rhizospheric soil microbial diversity by regulating *OsMYB57* expression on rice | Fang | Changxun |
| **O-17** | Fujian Agriculture and Forestry University, China | Influence of *Trichoderma harzianum* in growth, plant defense-related genes and metabolites of *Radix pseudostellariae* | Chen | Jun |
| **O-18** | Fujian Agriculture and Forestry University, China | Features of microbiomes in the rhizosphere soils of *Achyranthes bidentata* tolerant to consecutive monoculture | Wang | Juanying |
| **O-19** | Fujian Agriculture and Forestry University, China | Comparative metagenomics analysis of soil microbial communities under *Rehmannia glutinosa* consecutive monoculture | Wu | Linkun |
| **O-20** | Fujian Agriculture and Forestry University, China | Analysis of fungal community structure variation on successive rotations of *Casuarina equisetifolia* as determined by pyrosequencing | Zeyan | Wu |
| **O-21** | Bahauddin Zakariya University, Pakistan | Allelopathic water extracts helps improve drought resistance during reproductive stages in wheat | Nawaz | Ahmad |
| **O-22** | Bahauddin Zakariya University, Pakistan | Influence of different allelopathic weed management strategies on wheat performance in different wheat-based cropping systems of Punjab, Pakistan | Hussain | Mubshar |
| **O-23** | Ghazi University, Pakistan | Exogenous of moringa plant residues and aqueous extract at low and high concentrations on germination, growth and yield of sunflower | Iqbal | Javaid |

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| **O-24** | Fujian Agriculture and Forestry University, China | Rhizosphere responses to environmental conditions in the Radix pseudostellariae rhizosphere under continuous monoculture regimes | Wu | Hongmiao |
| **O-25** | University of Tsukuba, Japan | Advanced utillization of allelochemicals in Japanese cherry blossom | Tomita-Yokotani | K |
| **O-26** | The University of Agriculture, Peshawar-Pakistan | Allelopathic and antimicrobial study of Acacia modesta and Buxux papillosa available in District Hangu, KPK, Pakistan | Hashim | Saima |