

<b>Preface/Préface</b> S. Khanizadeh	979–980	<b>An effective protocol for improved regeneration capacity of Kabuli chickpeas</b> I. S. Yadav and N. P. Singh	1057–1064
<b><i>Organic Agriculture and Sustainable Practices</i></b> <b>Assessment of the environmental sustainability of organic farming: Definitions, indicators and the major challenges</b> N. Halberg	981–996	<b>Morphological and molecular analyses in micropropagated berry plants acclimatized under ex vitro condition</b> S. C. Debnath, P. Vyas, J. C. Goyali, and A. U. Iqamberdiev	1065–1073
<b>Organic agriculture project in Nepal: An international twinning partnership program initiative</b> R. R. Burlakoti, D. Lynch, C. Halde, T. Beach, S. Dahal, and S. C. Debnath	997–1003	<b>Assessment of genetic diversity in 35 <i>Pisum sativum</i> accessions using microsatellite markers</b> S. Ahmad, M. Singh, N. D. Lamb-Palmer, M. Lefsrud, and J. Singh	1075–1081
<b>Frequency of field pea in rotations impacts biological nitrogen fixation</b> J. D. Knight	1005–1011	<b>Viruses as triggers of DNA rearrangements in host plants</b> L. Andronic	1083–1091
<b><i>Climate Change</i></b> <b>Predicting weed invasion in Canada under climate change: Evaluating evolutionary potential</b> D. R. Clements and A. DiTommaso	1013–1020	<b>Genotype and environment influence gamma aminobutyric acid concentration in short-season soybean</b> M. J. Morrison, J. A. Frégeau-Reid, and E. R. Cober	1093–1100
<b>Strawberry production in forced and protected culture in Europe as a response to climate change</b> D. Neri, G. Baruzzi, F. Massetani, and W. Faedi	1021–1036	<b><i>Health Benefits and Nutritional Value of Fruits and Vegetables</i></b> <b>Factors affecting the antioxidant potential and health benefits of plant foods</b> H. Li, R. Tsao, and Z. Deng	1101–1111
<b><i>Plant Breeding, Genetics, and Genomics</i></b> <b>Inheritance of stem rust resistance derived from <i>Aegilops triuncialis</i> in wheat line Tr129</b> H. Ghazvini, C. W. Hiebert, T. Zegeye, and T. Fetch	1037–1041	<b>Effect of acidification on quality and shelf-life of carrot juice</b> L. J. Yu and H. P. V. Rupasinghe	1113–1120
<b>Phenotypic variation of side-oats grama grass [<i>Bouteloua curtipendula</i> (Michx.) Torr.] collections from the Canadian prairie</b> M. P. Schellenberg, B. Biligetü, G. J. McLeod, and Z. Wang	1043–1048	<b>Molecular markers and antioxidant activity in berry crops: Genetic diversity analysis</b> S. C. Debnath, Y. L. Siow, J. Petkau, D. An, and N. V. Bykova	1121–1133
<b>Reduced-stature <i>Rosa</i> species through in vitro mutagenesis</b> M. M. Q. Baig, I. A. Hafiz, N. A. Abbasi, M. Yaseen, Z. Akram, and D. J. Donnelly	1049–1055	<b><i>Crop Physiology</i></b> <b>Seasonal changes in photochemistry, light use efficiency and net photosynthetic rates of wild blueberry (<i>Vaccinium angustifolium</i> Ait.)</b> D. Percival, J. Kaur, L. J. Hainstock, and J.-P. Privé	1135–1143

**Seasonal growth dynamics and carbon allocation of the wild blueberry plant (*Vaccinium angustifolium* Ait.)**  
J. Kaur, D. Percival, L. J. Hainstock,  
J.-P. Privé 1145–1154

**In situ estimation of foliar nitrogen in wild blueberry using reflectance spectra**  
R. Maqbool, D. C. Percival, M. S. Adl,  
Q. U. Zaman, and D. Buszard 1155–1161

### ***Agronomy and Cropping Systems***

**Characterizing nitrogen transfer from red clover populations to companion bluegrass under field conditions**  
R. M. M. S. Thilakarathna, Y. A. Papadopoulos,  
A. V. Rodd, A. N. Gunawardena,  
S. A. E. Fillmore, and B. Prithiviraj 1163–1173

**Effects of fungicide, seeding date and seedling age on clubroot severity, seedling emergence and yield of canola**  
S. F. Hwang, T. Cao, Q. Xiao, H. U. Ahmed,  
V. P. Manolii, G. D. Turnbull, B. D. Gossen,  
G. Peng, and S. E. Strelkov 1175–1186

**Switchgrass silage for methane production as affected by date of harvest**  
G. Bélanger, P. Savoie, G. Parent, A. Claessens,  
A. Bertrand, G. F. Tremblay, D. Massé,  
Y. Gilbert, and D. Babineau 1187–1197

**Sward complexity and grass species composition affect the performance of grass-white clover pasture mixtures**  
Y. A. Papadopoulos, M. S. McElroy, S. A. E. Fillmore, K. B. McRae, J. L. Duyinsveld, and A. H. Fredeen 1199–1205

**Root growth of containerized lodgepole pine seedlings in response to *Ascophyllum nodosum* extract application during nursery culture**  
J. E. MacDonald, J. Hacking, Y. Weng, and J. Norrie 1207–1212

### ***Soil Fertility***

**Comparisons among cultivars of wheat, hulled and hulless oats: Effects of N fertilization on growth and yield**  
B. L. Ma, D. K. Biswas, Q. P. Zhou, and C. Z. Ren 1213–1222

**Slow-release nitrogen fertilizer in carrot production on Prince Edward Island**  
K. R. Sanderson and S. A. E. Fillmore 1223–1228