

## CAB ABSTRACTS **HOT TOPIC:**

# Plant genetic resources

Plant genetic resources have the potential to significantly contribute to food security through the provisioning of traits that will allow crops to become more resilient and adaptive to changing climatic conditions and outbreaks of disease. The conservation of these resources is therefore of worldwide importance.

**CAB Abstracts** database covers the world literature on the genetic resources of all types of crops for both food and non-food uses. The global coverage of research ensures that information is available on crops grown from temperate to tropical regions of the globe.

### CABI's CAB Abstracts database comprehensively covers hot topics that matter

CAB Abstracts sources the world literature to provide the complete picture on plant genetic resources, including information on:

- Genomic technologies:** genome sequencing and other technologies can determine the likely utility of the germplasm in crop improvement.  
*Pan-genome analysis highlights the extent of genomic variation in cultivated and wild rice.*  
*Nature Genetics, 2018*  
*Crop improvement using genome editing.*  
*Plant Breeding Reviews, 2018*
- Conservation of plant genetic resources:** correct management and maintenance of germplasm is essential for securing our future food supply.  
*Development of an in situ conservation strategy for crop wild relatives.*  
*Journal für Kulturpflanzen, 2017*  
*Conservation of genetic resources of crops: farmer preferences for banana diversity in Sri Lanka.*  
*Working Paper – South Asian Network for Development and Environmental Economics (SANDEE), 2017*
- Utilization of plant genetic resources:** harnessing genetic variability present in crop wild relatives and underutilized crops is essential to develop crops that are more resilient to climate change and pests and diseases.  
*Molecular characterization of sugarcane genotypes for cold tolerance.*  
*Agricultural Research Journal, 2018*  
*Molecular cloning and characterization of wild eggplant *Solanum aculeatissimum* NBS-LRR gene, involved in plant resistance to *Meloidogyne incognita*.*  
*International Journal of Molecular Sciences, 2018*
- Sustainable diets and nutrition:** understanding the nutritional quality of crops and diversifying the crops we eat could significantly improve health and nutrition.  
*Diversifying crops for food and nutrition security – a case of teff.*  
*Biological Reviews, 2017*  
*Comparative study of proximate, chemical and physicochemical properties of less explored tropical leafy vegetables.*  
*Journal of Northeast Agricultural University, 2018*

# Introducing CAB Abstracts

**CAB Abstracts** is the leading English-language bibliographic information service providing access to the world's applied life sciences literature from 1973 onwards, with over 380,000 abstracts added each year. Its coverage of the applied life sciences includes agriculture, environment, veterinary sciences, applied economics, food science and nutrition.

For access to premium historical research (1913-1972), combine your subscription with **CAB Abstracts Archive**.

CAB Abstracts and CAB Abstracts Archive are available on a range of platforms including CABI's own platform CAB Direct (which re-launched in July 2016).

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