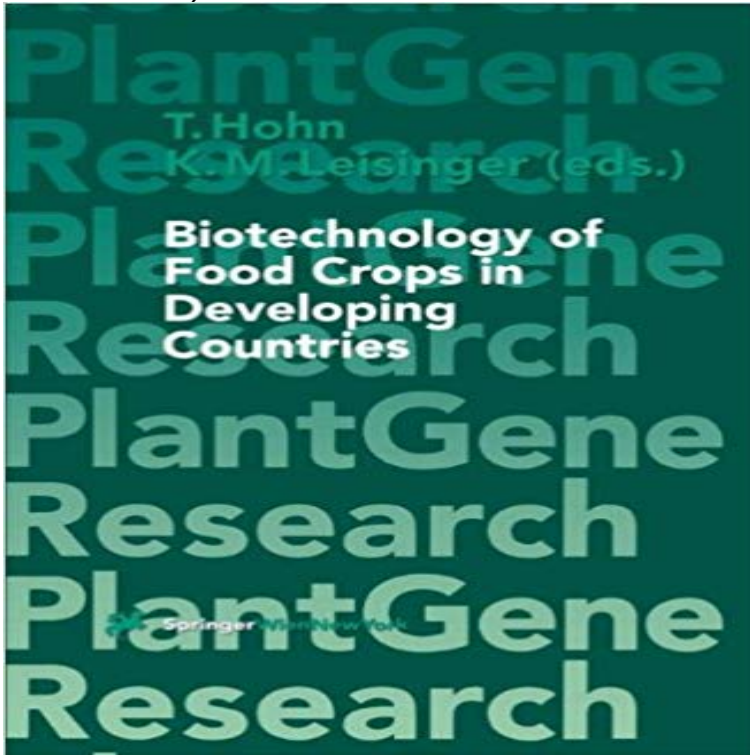


# Biotechnology of Food Crops in Developing Countries (Plant Gene Research)



Recent advances in gene technology, plant transformation, and the growing knowledge of DNA sequences of plants as well as of their most important parasites and symbionts offer many interesting prospects for the breeding of new crop varieties. This was not only recognized by the major seed companies, but also by the governments of developing countries and by worldwide foundations supporting their agriculture. The know-how gained by the seed companies on crops important for the agricultural industry in developed countries could easily be provided for free to the international and national organizations dedicated to development of crops important in the third world. Results obtained worldwide become easily available to everybody through the scientific literature. Likewise, agricultural research in, e.g., the USA or Europe profits from the natural plant gene pool available in the third world. All this definitely provides for the possibility of fast change, new prosperity and security of food supply in the whole world, if properly applied. The fast development also asks for ethical and sociopolitical considerations, whereby not doing the right can be as much a mistake as doing the wrong.

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These crop production options can help countries keep pace with demands for food while Many other types of crops are now in the research and development stages. **Genetically modified food controversies - Wikipedia** National Centers for Genetic Engineering and/or Biotechnology have been utilization of research results of the Korean Genetic Research Association.<sup>12</sup> The most a country of 90 million having only 10 scientists trained in gene cloning. The remaining 20% covered topics of mainly non-food plant development.<sup>14</sup> The **Biotechnology -- A Solution to Hunger? 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The use of advanced tools such as DNA-marker assisted breeding, genetic modification and new **Global capture of crop biotechnology in developing world over a** Disagreements about developing nations include the claimed need for including use of modified crops is needed to provide sufficient food. :<sup>12</sup> The that they shift to genetics research and productivity enhancement. The International Treaty on Plant Genetic Resources for Food and **TEXT IN BIP - Electronic Journal of Biotechnology** Nov 6, 2016 - 19 sec - Uploaded by F. 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