

Avinash Dalmia received his PhD in chemical engineering in 1996 from Case Western Reserve University in Ohio. Avinash Dalmia is a principal scientist and leader for the cannabis application group at PerkinElmer. He pioneered the development of LCMSMS method with dual ESI/APCI for analysis of all pesticides in cannabis. During the last 10 years at PerkinElmer, he has been involved in carrying out studies for design and optimization of different mass spectrometry ionization sources such as electrospray, APCI and direct sampling analyzer and has developed more than 60 applications using HPLC and GC coupled with different MS instruments. His most recent research interest is in analysis of low levels of pesticides and cannabinoids in cannabis-related matrices. During his career, he has presented his research accomplishments in research areas varying from electrochemical sensors, fuel cells, catalysts, thermal and fluid flow modeling, MS sources, HPLC/MS and GC/MS applications and has published 15 papers and 20 patents.