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His research interest is the wide bandgap materials and heterostructures. He is an electron microscopist and investigated the growth of GaN contributed to studies on laser diodes, contacts to WBG semiconductors and diamond. He studied 2D nitride layers and explored their new physical properties.

He participated in many EU projects on semiconductors and was project leader of many national research projects in Hungary. He is author and co-author of about 350 papers and received about 4000 independent citations.