

## CURRICULUM VITAE BY SÁNDOR DÓBÉ

### Personal data

*Place and date of birth:* Csongrád, Hungary, April 4, 1950. *Family status:* married, two adult sons.

### Education and promotion

*Undergraduate:* University of Szeged (Hungary), Faculty of Chemistry, 1968–1973. *Chemist Diploma with Award:* University of Szeged, 1973. *Dr. Univ. Degree:* University of Szeged, 1977. *Degree of Candidate (PhD):* Budapest, 1986. *Doctor of Chemical Science (DSc):* Budapest, 1994. *Honorary Professor:* University of Szeged, 1997.

### Position

*Scientific co-worker:* Gas Kinetics Research Group, University of Szeged, 1973–1979. *Senior research chemist:* Chemical Research Center of the Hungarian Academy of Sciences (CRC HAS), 1979–1995. *Scientific Adviser:* CRC HAS, 1995–. *Head of the Gas Kinetics Group:* CRC HAS, 1998–2002. *Head of the Reaction Kinetics Department:* CRC HAS, 2003–2007. *Head of the Atmospheric Chemistry Group:* CRC-HAS, Institute of Materials and Environmental Chemistry, 2007–2012. *Current workplace:* Institute of Materials and Environmental Chemistry, Research Centre for Natural Sciences of the Hungarian Academy of Sciences (IMEC RCNS HAS), Environmental Chemistry Research Group, 2013–.

### Membership

European Photochemical Association: 1981–. Hungarian Section of the Combustion Institute, member: 1984–, chair: 1998–2011. Working Committee of HAS on Photochemistry and Reaction Kinetics, 1985–. Working Committee of HAS on Environmental Chemistry, 2010–. Editorial Board of Oxidation Communications, 2007–.

### Honours and awards

High School Medal, 1976; Academy Prize for Young Scientists: 1985; Academy Prize: 2000.

### Research grants

*Since 1991:* OTKA: 5 grants, Tét: 5 grants, EU COST and FP programs: 6 grants. *Recent supports (2011-15):* MTA (instrument): 4.6 mHUF, KTIA\_AIK-12 (renewables): 62.1 mHUF, BAT (industrial research): 150.1 mHUF.

### Scientometrics and tuition

*Number of publications:* 102, patents: 4, total impact factor: 159.67, number of independent citations: 1059, h-index: 22 (<https://vm.mtmt.hu/www/index.php?scid=21&lang=0#>). *Thesis supervision:* PhD: 9, MSc: 6.

### Scientific collaboration (2016)

Prof. B. Wang (Wuhan), Prof. P. Papagiannakopoulos (Heraklion), Prof. M. Olzmann (Karlsruhe); in Hungary: Prof. T. Turányi (ELTE), Dr. Á. Bereczky (BME).

### Research area

Elementary reactions and photochemical processes of importance for environmental chemistry studied by laser-based and spectroscopic methods; reaction kinetics, photochemistry, atmospheric chemistry, combustion.

### Recent subjects

Atmospheric and combustion kinetics and photochemistry of the renewable platform molecules and biofuels, cyclic ethers and esters. Laboratory study of the environmental degradation of Freon substitutes. Gas-particle partitioning of organics in aerosols.

### Expertise

Determination of reaction kinetic and photochemical parameters using direct and relative-rate methods; photocatalytic water purification; industrial photochemistry.

Budapest, September 2, 2016