

G. Laroche is Full Professor at the Materials Engineering Department at *Université Laval* in Quebec city. He got his PhD in Physical Chemistry from *Université Laval* in 1990. He then made post-doctoral studies at the Canadian Defense Research Establishment in Valcartier (Quebec) where he worked on FTIR emission spectroscopy of rapidly fluctuating sources.

He was recruited in 1992 by the Quebec Hospital University Research Centre (*CRCHU de Québec*) and got a professor position at *Université Laval* in 1994. G. Laroche founded the Surface Engineering Laboratory (www.lis.gmn.ulaval.ca). Since 1994, Laroche's team develops surface modification strategies for applications spanning from materials biocompatibility improvement to anti-fog materials. In addition, he is at the origin of several innovations such as the use of near infrared emission spectroscopy for low-pressure plasma characterization or FTIR absorption spectroscopy to follow precursor consumption with a 2-mm spatial resolution in atmospheric-pressure plasmas.

Professor Laroche co-authored more than 120 publications in peer-reviewed scientific journals and holds 6 patents. In 2012, Professor Laroche was awarded the title of Fellow of Biomaterials Science and Engineering by the International Union of Biomaterials Science and Engineering for lifetime career achievement for his contribution in the fields of plasma surface modification for biomedical applications. He also co-organized the prestigious World Biomaterials Congress that was held in Montreal in 2016 which was attended by more than 4000 participants.