

Serge Perez was born in Perigueux, France; he graduated in crystallography from the University of Bordeaux (Doctor in Physics) and the University of Grenoble (Doctorate es Sciences, DSc 1977). He had international exposure throughout several laboratories (Institute of Molecular Biology, University of Oregon, Eugene, U.S.A.; Department of Chemistry at the University of Montreal, Canada. (CERMAV) Centre de Recherches sur les Macromolécules Végétales, CNRS, Grenoble, France ; Eastman Kodak, Rochester, NY, USA. Institut de la Recherche Agronomique, Nantes, France; the European Synchrotron Radiation Facility, Grenoble, France; Department of Molecular Pharmacochimie, CNRS-University of Grenoble-Alpes and return to the CERMAV as an emeritus director of research.

His research interests span structural and conformational analysis of oligosaccharides, polysaccharides, glycoconjugates, protein-carbohydrate interactions in solution, and solid-state glyco-bioinformatics. This includes interests in computational chemistry and molecular modelling, crystallography, N.M.R. spectroscopy, and the structure-function and structure-properties relationship. He has a strong experience in the evaluations of Research Infrastructures and interest in startup companies, as well as the economy of glycoscience and E-learning, as exemplified throughout the glycopedia experience (glycopedia.eu). He also edited and wrote several books in particular: *Chitin and Chitosans in the Bioeconomy*, in 2021, *The Biomass in the Bioeconomy*, in 2022 and *Algae in the Bioeconomy*, 2024.

**PUBLICATIONS:** <https://www.researchgate.net/profile/Serge-Perez>

>330 publications, H index : 68; number of citations > 20,000; number of reads >170,000 .

(2 most cited articles > 1000)

Molecular basis of Ca<sup>2+</sup>-induced gelation in alginates and pectins: the egg-box model revisited

I Braccini, S Pérez, *Biomacromolecules*, 2 (4), 1089-1096

The molecular structures of starch components and their contribution to the architecture of starch granules: A comprehensive review, S Pérez, E Bertoft, *Starch-Stärke* 62 (8), 389-420

> 210 oral presentations, seminars & conferences, including > 100 invited lectures.

ORCID: 0000-0003-3464-5352

## EXPERIENCE AND POSITIONS HELD

2014- present : Emeritus Director of Research; CNRS-UGA, Grenoble,

2009-2011 : Scientific Director, European Synchrotron Radiation Facility, Grenoble, FR

1996-2006 : Head of Institute Centre de Recherches sur les Macromolécules Végétales, Centre National de la Recherche Scientifique, Grenoble, FR

1987-1995 : Senior Research Scientist ( Director of Research), Institut National de la Recherche Agronomique, Nantes, FR

1984-1987 : Research Scientist, Centre National de la Recherche Scientifique, Grenoble, FR

1983-1984 : Visiting Scientist, Department of Chemistry, Research Laboratory, Eastman Kodak, Rochester, N.Y., U.S.A.

1977-1983 : Junior Research Scientist, CNRS, Grenoble, FR.

1974-1977 : Research Associate, Dept. of Chemistry, University of Montreal. Canada.

1973-1974 : Research Associate, Institute of Molecular Biology, University of Oregon, Eugene, Ore., U.S.A.

**OTHER.....:**

Chair European Carbohydrate Organisation.(2003-2005)

SCIENTIFIC COUNCILS : French National Committee of Scientific Research - CNRS

Nominated Member: Complex Molecular Systems (2001-2004)

Elected Member: Physics & Chemistry of Biological Assemblies (2003-2004)

Elected Chairman: Supra and Macromolecular Systems: Properties, Functions & Engineering (2005-2008)

Head of Doctoral School Chemistry and Life Science, University Joseph Fourier, Grenoble (2007-2009)

Member: International Peer Review of Research Infrastructures of the Czech Republic: Health and Food. (Evaluation 2017; 2021)

From 1994 to 2023: participation in 12 European Union Programmes. (Marie Curie Training Networks, COST Actions)