

## CURRICULUM VITAE

### PERSONAL INFORMATION

**Name:** Pavol Šajgalík  
**Position:** President of the Slovak Academy of Sciences  
**Address:** Slovak Academy of Sciences  
Štefánikova 49, Bratislava, Slovak Republic  
**Phone:** +421 2 57510142  
**E-mail:** [president@savba.sk](mailto:president@savba.sk)  
**Nationality:** Slovak  
**Born:** 1955

### EDUCATION

prom. fyz. (MSc)	Department of Experimental Physics, Comenius University, Bratislava, 1979
RNDr.	Department of Experimental Physics, Comenius University, Bratislava, 1981
CSc. (PhD)	Institute of Physics, Slovak Academy of Sciences, Bratislava, 1987
DrSc. (DSc)	Institute of Inorganic Chemistry, Slovak Academy of Sciences, Bratislava, 1996
Docent (Assoc. Prof.)	Technical University of Košice, Košice, 1998
profesor (Full Professor)	Trenčín University of Alexander Dubček, Trenčín, 2004

### WORK EXPERIENCE

**Employer:** ***Presidium of the Slovak Academy of Sciences,***  
*Vice-president 2013-2014*  
*President 2015-now*  
***Institute of Inorganic Chemistry SAS,***  
*scientist 1979 -1996*  
*senior scientist 1996 - now*

**Management position:** ***Institute of Inorganic Chemistry SAS***  
Scientific secretary of the institute and deputy chairman of the scientific board of the institute, 1992 – 1995  
Deputy director of the institute, 1995 – 1999  
Director of the institute, 1999 – 2013

**Research position:** Senior scientist

**Research activity:** Oxide and non-oxide structural ceramics, ceramic (nano)composites, microstructural design, relationship between microstructure and properties

**Awards:**

Slovak Academy of Sciences Award (member of team)	1985
Institute of Inorganic Chemistry Award for Young Scientists	1986
	1988
World Academy of Ceramics – Academician (elected)	1999
Golden Medal of the Incheba International Fair Bratislava for the exhibit: Ceramic Cutting Tools with Prolonged Lifetime	2004
Golden Medal of the Incheba International Fair Bratislava for the exhibit: Ceramic Composite with Self-Detection Ability	2005
Learning Society of Slovak Academy of Sciences (member elect)	2005
Plaque of Dionýz Ilkovič for Merits in the Physical-Chemical Sciences, Slovak Academy of Sciences	2005
Medal of the Faculty of Food and Chemical Technology, Slovak Technical University, Bratislava	2005
Medal of the Faculty of Industrial Technology, University of Trenčín, Trenčín	2006
Silver Medal of Maximilian Hell, University of Trenčín, Trenčín	2007
Award: Scientist of the Year 2006 in the Slovak Republic	2007
Award: Contribution to the Productivity, Ministry of Economy of the Slovak Republic	2007
Slovak Academy of Sciences Award (head of team)	2008
Memorial Medal of University of Technology, Ostrava, Czech Republic	2009
Fellow of the American Ceramic Society	2010
Bronze Medal – Invention Show and Technomart, Taipei, Taiwan	2012
Fellow of the European Ceramic Society	2013
Stuijts Award of the European Ceramic Society	2013
Slovak Republic State award: Order of Ľudovít Štúr of III. Class	2015
Honorary doctorate, Technical University in Ostrava, Czech Republic	2015
Honorary Medal of Jan Slavík, Slovak Geological Society	2015
Medal of the Slovak Chemical Society	2015
Award: Lee Hsun Lecture Series on Materials Science, Institute of Metal Research of the Chinese Academy of Sciences and Shenyang National Laboratory for Materials Science	2016
Bridge Building Award, American Ceramic Society	2017

**Participation in international  
research projects: last 5  
years**

SAS-TÜBITAK JRP 2013/02, BioKer, Development of Ceramics Composite Materials for Bio-Applications, TÜBITAK Marmara Research Center, Materials Institute, 2013 – 2016, principal investigator

COST MP1301, NEWGEN, New Generation Biomimetic and Customized Implants for Bone Engineering, 2014 – 2017, partner, member of the management committee

H2020 – CEMEA – Centre of Excellence for Advanced Materials Application, grant number 664337, 2015-2016, principal investigator, seal of excellence

H2020-MSCA-IF-2015, 707959: Novel Ultra-High Temperature Ceramic Materials for Thermal Protection Systems for Hypersonic Vehicles, 2015-2020. Researcher: Peter Tatarko, supervisor: Pavol Šajgalík

H2020-LC-BAT-08-2020, Sodium-Ion and sodium Metal BAtteries for efficient and sustainable next-generation energy storage, 2020-2025 Research and Innovation Action (RIA) LC-BAT-8-2020: Next-generation batteries for stationary energy storage, partner

H2020 European research night ERN 2021 SVK - 101036038 - GAP-101036038

**Scientific management:  
last 5 years**

**Organizer of the conferences and participation in the international  
advisory committees:**

Advanced Research Workshop **Engineering Ceramics**, Smolenice Castle,  
Slovakia, 2015, 2019

**International: Last ten years:**

40<sup>th</sup> International Conference and Exposition on Advanced Ceramics and  
Composites, January 24 – 29, 2016, Daytona Beach, Florida, USA

91<sup>st</sup> DKG Annual Meeting and Symposium on High-Performance Ceramics  
2016, Freiberg, Germany, March 07-09, 2016

ICC6 – 6<sup>th</sup> International Congress on Ceramics – From Lab to Fab, August  
21-25, 2016, Dresden, Germany

4<sup>th</sup> International Symposium on New Frontiers of Advanced Si-Based  
Ceramics and Composites, September 25-28, 2016, Busan, Korea

CONSILOX, Sinaia, Romania, September 16-19, 2016

41<sup>th</sup> International Conference and Exposition on Advanced Ceramics and  
Composites, January 22 – 27, 2017, Daytona Beach, Florida, USA

15<sup>th</sup> Conference and Exhibition of the European Ceramic Society, July 9 –  
13, 2017, Budapest, Hungary

CERMODEL 2017, Modelling and Simulation Meet Innovation in Ceramics  
Technology, July 26 – 28, 2017, Trento, Italy

CICC-10, International Conference on High-Performance Ceramics,  
November 4 – 7, 2017, Nanchang, China

42<sup>th</sup> International Conference and Exposition on Advanced Ceramics and  
Composites, January 21 – 26, 2018, Daytona Beach, Florida, USA

ICC7, 7<sup>th</sup> International Congress on Ceramics, June 17 – 21, 2018, Iguassu  
Falls, Brazil

43<sup>th</sup> International Conference and Exposition on Advanced Ceramics and  
Composites, January 27 – February 01, 2019, Daytona Beach, Florida, USA

CICC-11, The Eleventh International Conference on High-Performance  
Ceramics, 25. - 29. 05. 2019, Kunming, China

XVI Conference and Exhibition of the European Ceramic Society, 16. – 20.  
06. 2019, Torino, Italy

44<sup>th</sup> International Conference and Exposition on Advanced Ceramics and  
Composites, January 26 – February 02, 2020, Daytona Beach, Florida, USA

**Member of the editorial board of journals:**

Ceramics-Silikáty, since 1999

Processing and Application of Ceramics, since 2007

Journal of Ceramics Science and Technology, since 2009

Journal of the Asian Ceramic Societies, since 2013

**Other activities:**

Chairman of the Commission for the DSc. degrees in Inorganic Technology and Materials, 2010-2021

Chairman/Vice-chairman of the Slovak State Commission for Scientific Degrees, 2013 – 2021

Member of the Scientific Board of the Faculty of Metallurgy, Technical University Košice, Košice, Slovakia, since 2006

Member of the Scientific Board of the Faculty of Metallurgy and Materials Science, University of Technology, Ostrava, Czech Republic, since 2008

Member of the Scientific Board of the Slovak University of Technology, Bratislava, since 2011

Member of the Scientific Board of the Comenius University, Bratislava, since 2015

Member of the Scientific Board of the Pavol Jozef Šafárik University, Košice, since 2015

Member of the Scientific Board of the Technical University, Košice, since 2019

President of the Slovak Silicate Society, since 2000

Secretary General of the European Ceramic Society, 2019 – till now

Member of the Permanent Executive Committee of the European Ceramic Society, since 2000

Member of the Presidium of the Slovak Glass Society, since 2003

Member of the Council of the European Ceramic Society, since 2000

Member of the American Ceramic Society, since 1993

Member of the Ceramic Society of Japan, since 1996

Member of the Materials Research Society, since 2000

Academician of the World Academy of Ceramics, since 1999

Visiting Professor at the Shanghai Institute of Ceramics of the Chinese Academy of Sciences, 2017

Panel Evaluator for ERC Starting Grant 2018 calls

ERC Consolidator Grant Evaluator since 2019

**International cooperation:**

Karlsruhe Institute of Technology, Institute of Engineering Ceramics,  
Karlsruhe, Germany, since 1995

TU Darmstadt, Department of Geo and Materials Sciences, Germany,  
since 1994

National Institute of Advanced Industrial Science and Technology (AIST),  
Japan, since 1997

Northwestern Polytechnic University, Xi'An, China, since 2014

**Publication activity:**

13 scientific books, co-author, co-editor

45 proceedings articles

5 internal reports

4 patents

2 scripts for the university students, co-author

guest editor of 5 special issues of the international journals

>100 invited lectures at international scientific symposia and conferences

>190 reviewed articles

>2500/2600/3500 citations (WOS / SCOPUS / Google Scholar)

H-index 26 WOS, 27 SCOPUS, 32 Google Scholar

**Education responsibility:**

**20 PhD students, successfully defended**

participation in committees for PhD defence

**Long and middle term stays  
and professional activities:**

Max-Planck-Institut für Metallforschung, Pulvermetallurgisches  
Laboratorium, Stuttgart, Germany, Visiting Scientist (DAAD fellowship),  
november 1989

Max-Planck-Institut für Metallforschung, Pulvermetallurgisches  
Laboratorium, Stuttgart, Germany, Visiting Scientist (Alexander von  
Humboldt fellowship), 1991 – 1992

Max-Planck-Institut für Metallforschung, Pulvermetallurgisches  
Laboratorium, Stuttgart, Germany, Visiting Scientist (Alexander von  
Humboldt fellowship), August – October 1994

Rensselaer Polytechnic Institute, School of Engineering, Troy, USA, Visiting  
Scholar (Alexander von Humboldt fellowship), 1995 – 1996

University of Karlsruhe, Institute of Ceramics in Engineering, Karlsruhe,  
Germany, Visiting Scientist (Alexander von Humboldt fellowship), April –  
May 1998, June – July 2000, November – December 2003

University of Karlsruhe, Institute of Ceramics in Engineering, Karlsruhe,  
Germany, Visiting Professor, (Alexander von Humboldt fellowship),  
November – December 2004, November – December 2005

National Industrial Institute, Nagoya, Japan, JSPS fellowship, September  
1994

National Science Foundation of Taiwan, presentations at 5 universities,  
December 2001

North-western Polytechnic University, Xi'An, China, 12 presentations for  
the students, visiting professor, multiple stays 2014 - 2019