Personal Details

Name and Academic Title:	Sá, Jacinto – Associated Professor
	Born Dec 15, 1979; male
Current Position:	Associated professor (permanent staff) and group leader of Nanoleaves and Heterogeneous Catalysis (Uppsala University) and Modern Heterogenous Catalysis (IChF-PAN)

Affiliations

Institution:	Uppsala University
Institute/Department:	Physical-Chemistry, Dept. of Chemistry-Ångström
Address:	Ångströmlaboratoriet, Lägerhyddsvägen 1, 751 20 Uppsala, Sweden
Institution:	Institute of Physical Chemistry, Polish Academy of Sciences
Address:	ul. Kasprzaka 44/52, 01-224 Warsaw, Poland
Phone:	+46 70 302 24 48
Fax:	+46 18 471 6844
Email:	jacinto.sa@kemi.uu.se
Email:	jacinto.sa@peafowlsolarpower.com

University Education

1998 – 2003	Study of Chemistry, field of Analytical Chemistry (master degree) Departamento de Quimica, Universidade de Aveiro, Portugal 4th year Project: *Synthesis of water soluble N-Flavonil Glicine*Master Master Project: *Water denitration with Pd-Cu catalysts*, ERASMUS at the Institute of Material Sciences, Vienna University of Technology, Austria.

Academic Degrees

2017	Qualified as academic teacher (Docent) in Physical-Chemistry at Uppsala University, Sweden.
2015	Qualified as academic teacher in Physical-Chemistry at Institute of Physical Chemistry, Polish Academy of Sciences Title of habilitation thesis: “Understanding catalysis with X-ray spectroscopy”
2004 – 2007	Doctorate (PhD) of chemistry at University of Aberdeen, Title of PhD thesis: “*Catalytic removal of nitrates from drinking water*” Supervisor: Prof. Dr. James A. Anderson

Professional Career

2014-2018	Tenure-track assistant professor and group leader of Nanoleaves & Heterogeneous Catalysis, Ångstrom Laboratory, Department Chemistry, Uppsala University, Sweden.
2014-2018	Tenure-track associate professor and group leader of the Modern Heterogeneous Catalysis (MoHCa) (10-15% outside activity from Uppsala University), Institute of Physical Chemistry of the Polish Academy of Sciences, Warsaw, Poland.
2014	Visiting scientist: Department Chemistry, Technical University of Munich, Germany.
2013	Scientist: Laboratory of Ultrafast Spectroscopy, EPFL, Lausanne, Switzerland.
2010-2012	Senior Postdoctoral Fellow: Department of Chemistry and Bioengineering, ETH Zurich & Department Synchrotron Radiation and Nanotechnology, Paul Scherrer Institut (PSI), Switzerland.
2007-2010	Postdoctoral Fellow: Department of Chemistry & Chemical Engineering, Queen's University Belfast (QUB), UK.
2003-2004	Traineeship: Institute of Material Sciences, Vienna University of Technology, Austria.

Current research team

Uppsala University	1 Postdocs, 2 PhD and 2 Masters
IChF-PAN	1 Researchers, 1 Postdocs, 1 PhDs and 1 Technician

Supervision experience

Number of promoted students: 2 PhDs promoted, 9 PhDs (co-advised QUB, ETH Zurich/PSI and EPFL), 4 M.Sc. (Univ. Aberdeen, QUB and ETH Zurich/PSI) and 5 B.Sc. (Univ. Aberdeen, QUB and PSI).

Awards – Functions – Editorial Boards

2019	Skapa-priset, Uppsala reagion (Sweden). Innovation prize awarded in name of Alfred Noble.
2018	Lutteman foundation Prize (Sweden). The prize is awarded for a "reader of high distinction" within the arts and sciences.
2018	Attractive Innovation Project award (Sweden) from Uppsala University Innovation
2018	Best business plan award (Sweden) from Uppsala Innovation Center.

2016	Uppsala University representative at the Swedish Academic Collaboration Forum (SACF) in Brazil. Selection carried out by Uppsala University Vice Chancellor Eva Åkesson.
2015	Joseph Wang award (India) to outstanding young researchers in the area of nanomaterials.
2008	R&D 100 award (USA), widely recognized as the "Oscars of Innovation", awarded in recognition of the most relevant scientific and technologic developments of the year.
2006	SET for Britain (UK), Young Scientist award. Awarded for work in the area of energy.
2006	EuChemMS student award (UK). Awarded for the promotion of chemistry projects.
2005	Sir Rideal award, RSC (UK). Awarded for work in the area of industrial chemistry.
2005	ICSCnanoSMAT student award (PT). Awarded to projects in the field of nanotechnology.
2004-2007	PhD stipendium from Fundação para a Ciência e a Tecnologia (PT).

Since 2018	The Austrian Science Fund (FWF), external reviewer.
Since 2018	The Polish National Agency for Academic Exchange (NAWA), expert role.
Since 2018	The Netherlands Organization for Scientific Research (NWO), the Dutch Rsesearch Council, external reviewer.
Since 2018	Natural Science Council (NCN), the Polish Research Council, Expert Evaluation Panel for DAINA funding opportunity for joint Polish-Lithuanian research teams launched by the National Science Centre (NCN) and the Research Council of Lithuania (RCL)
Since 2017	European Research Council (ERC), external reviewer for ERC Starting grants (PE5 panel).
Since 2017	Natural Science Council (NCN), the Polish Research Council, external reviewer for OPUS proposals in the areas of catalysis and spectroscopy
Since 2017	Natural Science Council (NCN), the Polish Research Council, Expert Evaluation Panel for POLONEZ fellowship program, supporting international incoming researchers working in basic research.
Since 2016	The Leverhulme Trust (UK) external reviewer for proposals on spectroscopy
Since 2015	Natural Science Council (NCN), the Polish Research Council, external reviewer for PRELUDIUM proposals in the areas of catalysis and spectroscopy

Since 2012	SLAC synchrotron (Stanford, USA) long-term proposals for in situ studies on catalysis
Since 2018	PhD thesis commission at Uppsala University
Since 2016	Licentiate thesis opponent at Uppsala University
Since 2015	Bachelor thesis expert at Uppsala University
2012	Organizer of 'Novel materials for heterogeneous catalysis' symposium S at the E-MRS 2012 Spring Meeting in Strasbourg, France
Since 2013	**Editorial Board:** Chemical and Materials Engineering
2012-2013	**Guest editor:** Catalysis Today 208 (2013) pp. 1-112 (EMRS-2012 symposium S)
Since 2006	**Journals Reviewer:** Catalysis Today, Journal Catalysis, Applied Catalysis A and B, Chemical Engineering, Catalysis Letters, Catalysis Science & Technology, Journal Physical Chemistry B and C, ChemCatChem, Applied Surface Science, ACS Catalysis, Recyclable Catalysis, Environametal Science & Technology, Science Energy Technology, ACS Sustainable Chemistry & Engineering, Crystal Growth & Design, ChemSusChem, Topics in Catalysis, NIMB, Dyes & Pigments, J. Taiwan Inst. Chem. Eng., Industrial & Engineering Chemistry Research, Molecules, Catalysts, Journal Environmental Sciences, ACS Applied Bio Materials.
Since 2006	**Conference Abstract Reviewer:** ICC, EuropaCat, NAM, ICEC, XAFS and E-MRS.
Since 2012	**Conference Charing:** Symposium S, EMRS-2012, Strasbourg, France (2002); Session 313: Nanopowders and Nanoparticles, BIT's 7th Annual World Congress of Nano Science & Technology, Fukuoka, Japan (2017)
2013-2016	Member of PERSPECT-H_2O [COST Action 1202]
Since 2014	Member of XLic [COST Action 1204]
Since 2015	Member of MOLIM [COST Action 1405]
Since 2017	EUSpec [COST MP1306]
Since 2017	MultiscaleSolar [COST MP1406]

Scientific achivements

130 publications □ editor of 3 books □ 13 book chapters □ 1 patent □ 1 commercial development □ 50+ oral presentation (1 plenary, 1 keynote & 11 invited speaker) □ 50+ posters □ 45 departmental seminars □ 2915 citations □ h-index 30 □ i10-index 74 (*number of citations taken from Google Scholar on December the 2nd, 2019*)

Entrepreneurial achievements

2018	Initiator, co-funder, co-owner and CEO of Peafowl Solar Power AB, in conjunction with EIT InnoEnergy (www.peafowlsolarpower.com).
2018	**Owner:** Peafowl Solar Power AB, **Inventors:** Jacinto Sá, Marina Freitag, *Ultra-thin plasmonic solar cells, methods for their manufacture and use*, Patent no. PCT/EP2018/057923 (priority date from March the 31st, 2017 applicationPCT/IB2017/000385).
2010	Q-Spaci software (Hiden Analytical)

Large-scale facilities involvement

2017-	Main collaborator of ELI-PRague Beamline RP4 for the development of a time-resolved X-ray spectroscopy setup at the laser-driven Plasma X-ray Source.https://www.eli-beams.eu/en/research/applications/x-ray-diffraction-and-spectroscopy/

Teaching activities

Since 2017	Lecture course: *Molecular Chemical Physics* (1KB558), M.Sc. (Uppsala Univ.)
Since 2016	Lecture course (***course coordinator***): *Chemistry for Renewable Energy* (1KB763), M.Sc. (Uppsala Univ.)
Since 2016	Lecture course: *Fluorescence Spectroscopy*, PhD (Uppsala Univ.)
Since 2016	Lecture course: Design and application of photoactive compounds, PhD & M.Sc. (Universidade de São Paulo, Brazil & Uppsala Univ.)
Since 2016	Lecture course: *Geochemistry* (1KB200), B.Sc. (Uppsala Univ.)
2016	Lecture course: *Quantum Mechanics and Chemical Bonding II* (1KB502), B.Sc. (Uppsala Univ.)
Since 2015	Lecture course: *Physical Chemistry project*, Chemical Engineers (Uppsala Univ.)
Since 2015	Lecture course: *Laser Spectroscopy* (1KB766), M.Sc. & PhD (Uppsala Univ.)
Since 2015	Lecture course: *Energy Related Materials & Catal.* (1KB272), M.Sc. (Uppsala Univ.)
2015	Lecture course: *Spectroscopy at central facilities: infrared and X-ray spectroscopy*, Lecture series Solids4Fun, M.Sc. & PhD, teachers exchange ERASMUS+ (Vienna University of Technology, Austria)
Since 2014	Lecture course: *Spectroscopy* (1KB750), M.Sc. (Uppsala Univ.)
2009-2010	Lecture course: *Mathematics* (CHE1006), M.Sc. and B.Sc. (QUB, United Kingdom)

Outreach activities

Since 2017	SCIFEST – Make your own dye solar cell
2017	Ångström laboratory 20 years – Solenergi för kemikalier

Pedagogical training

2016	Supervising Students for Degree Projects (two weeks full-time)
2016	Introduction course for laboratory teachers (one day full-time)
2015	Academic Teacher Training (five weeks full-time)
2015	Supervising PhD Students (three weeks full-time)
2015	Doctoral Supervisor Training (two days full-time)

Pedagogical works

2017	J. Sá, *'Soft skills in chemistry course: when, where and how to assess them?'* **IJRDO Journal Educational Research** 2 (3) (2017) 1. ISBN: 2456-2947

Outreach activities

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