

PERSONAL INFORMATION

Sigrídur G. Suman, +354-525-4779 office
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POSITIONS AND ACADEMIC SERVICE

University of Iceland, Reykjavik, Iceland

Professor -7/2018, *Inorganic Chemistry, Catalysis, and Bioinorganic Chemistry*

Chair of Undergraduate Studies in Chemistry (7/2016 – 6/2018)

Associate Professor (11/2012 – 6/2018)

Teaching: Senior Inorganic Chemistry lecture and lab courses. General Chem. II. Freshman lecture course and recitations. Analytical Instrumentation and Applications.

Research group at Science Institute - UI:

Current Members: Angel Andres Castro Ruiz, PhD student, Dmitrii Razinkov PhD student, Thiago Oliveira de Valdares, PhD student, Hilmir G. Guðjónsson, MS student.

Graduated Students: Norbert Bedö, MS 2022, Lindsey J. Monger, PhD 2021; Dmitrii Razinkov MS 2020; Linda A. Hancock, MS 2019; Johanna M. Gretarsdottir, PhD 2018; Hafdis I. Ingvarsdottir, MS 2018; Benedikt O. Birgisson, MS 2017; Gerður R. Rúnarsdottir, MS, 2016. Supervised 7 BS Senior projects, and 11 Research Associates.

SRI International, Menlo Park, CA (Physical Sciences Dept.)

Senior Scientist (01/2011- 10/2012)

Organometallic Chemist III (7/2003-01/2011)

Contract research organization (>2000 employees) conducting research for the US government, international industry and individuals. Departmental research focus includes energetic materials, fuels, polymer synthesis and catalysis, analytical pharmaceutical studies, and process engineering. Principal Investigator sought research contracts in basic and applied inorganic, organometallic and organic chemistry with focus on solving client specific interests. Results are proprietary information treated as know-how and as industry secrets. Publication rights are held by the client with the exception of government contracts.

Symyx, Santa Clara, CA (Discovery Tools)

Application Scientist (7/2001-6/2003)

Mid-size company devoted to combinatorial and high-throughput laboratory automation for petrochemical research via R&D in polymerization catalysis and pharmaceutical analysis.

SRI International, Menlo Park, CA (Physical Sciences Dept.)

Chemist II (1/97-6/01)

Postdoctoral Fellow (9/95-1/97)

AWARDS

University of Iceland Science and Innovation Awards, University of Iceland 2022

Awarded a prize in the category of Technology and Progress, for new sulfur rich polymer based adhesive to improve the energy performance of solar batteries. The judges pointed out that this project is highly practical and likely to yield enormous benefits for society, since we have a lot to gain from improving sustainable energy efficiency.

New Technology Application Awards 2014, University of Iceland

Awarded second prize for "Cyanide Poisoning Treatment". An approach that allows mass treatment against cyanide poisoning. Award committee noted the invention is novel, has significant impact for improving public health, and is easily implemented.

Golden Nugget Awards, SRI International, 2001, 2003, 2006, 2008, 2009

Awarded as a recognition to patent authors for contribution to SRI's Technology Intellectual Property portfolio.

EDUCATION AND TRAINING

University of Michigan, Ann Arbor, MI. (Laboratory of Professor Dimitri Coucouvanis)

- Ph. D., Inorganic Chemistry (1995). Awarded Ph. D. in Inorganic Chemistry.

University of Iceland, Reykjavik, Iceland.

- B. Sc., Chemistry 1987

RECENT FUNDING (last 5-10 years)

Current Research Support

University of Iceland Research Fund “Co catalyzed copolymerization of olefins and CO ₂ ” PI = Principal Investigator	Suman (PI)	Jan 2021 to Dec 2023
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Completed Research Support (last 8 years)

The Icelandic Centre for Research (Rannís) “Reactivity and Fate of Molybdenum Compounds” Grant nr. 195726	Suman (PI)	Jan 2019 - Dec 2022
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University of Iceland Research Fund “Catalysis of Sulfur Transfer Reactions”	Suman (PI)	Jan 2018 - Dec 2020
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The Icelandic Centre for Research (Rannís) “Metal Catalyzed Episulfidation of Alkenes” Grant nr. 173667	Suman (PI)	Jan 2017 - Dec 2019
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Icelandic Technology Development Fund “Blásúra” Grant nr. 164784	Suman (PI)	Dec2016 - Dec2018
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The Icelandic Centre for Research (Rannís) “Cobalt Mediated Activation of Carbon Dioxide” Grant nr. 152323	Suman (PI)	Jan 2015 - Dec 2017
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The Icelandic Centre for Research (Rannís) “Catalytic Thiocyanate Formation” Grant nr. 140945	Suman (PI)	Jan 2014 - Dec 2016
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University of Iceland Research Fund “Cyanide Poisoning Treatment”	Suman (PI)	Jan 2013 - Dec 2016
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PUBLICATIONS AND PATENTS (last 5 years)*

Published Articles since 2016

<http://scholar.google.com/citations?user=I2NeyRIAAAAJ&hl=en>

Patents

<https://uni.hi.is/sgsuman/research/publications-and-patents/>