



Mohammad Khaja Nazeeruddin

POSITION: Adjunct Professor at IAU

Personal Data

Nationality | Switzerland

Date of Birth | 14-06-1957

Department | Mechanical and Energy Engineering Department, College of Engineering, Imam Abdulrahman Bin Faisal University, Dammam, 34212, Saudi Arabia

Official IAU Email | mknazeeruddin@iau.edu.sa

Office Phone No. | +41799607991

Language Proficiency

Language	Read	Write	Speak
Arabic	X		
English	X	X	X
French	X	X	X
Others: Urdu/Hindi/Telugu	X	X	X

Academic Qualifications (Beginning with the most recent)

Date	Academic Degree	Place of Issue	Address
1986	Doctor of Philosophy (PhD)	Osmania University, Hyderabad, India	Department of Chemistry, Osmania University, Hyderabad, India.
1980	Master of Science	Osmania University	Department of Chemistry, Osmania University, Hyderabad, India.
1978	Bachelor of Science	Osmania University	Department of Chemistry, Osmania University, Hyderabad, India.

PhD, Master or Fellowship Research Title: (Academic Honors or Distinctions)

PhD	Metal complexes of Diphenylphosphinoacetic acid
Master	Molecular Engineering of Ruthenium complexes



Fellowship	Council of Scientific & Industrial Research (CSIR)_India, Junior and Senior Research Fellowships 1980-1986
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Professional Record: (Beginning with the most recent)

Job Rank	Place and Address of Work		Date
Professor Emeritus		Faculty of Basic Sciences, ISIC, Group for Molecular Engineering of Functional Materials, EPFL, Switzerland	July 2022-June 2028
Professor		Faculty of Basic Sciences, ISIC, Group for Molecular Engineering of Functional Materials, EPFL, Switzerland	May 2012 to June 2022
World Class University Professor		Department of Advanced Materials Chemistry, Korea University (Sejong Campus), Korea	2009-2014
Brain Korea (BKPLUS 21)		Department of Advanced Materials Chemistry, Korea University (Sejong Campus), Korea	2014-2019
Talents of Discipline to University		North China Electric Power University	2014-2025:
Guest Chair Professor		Guest Chair Professor, South Central University, Nanjing, China	2024-2027
Adjunct faculty		Imam Abdulrahman Bin Faisal University (IAU), Dammam, Saudi Arabia	2024-2025

Administrative Positions Held: (Beginning with the most recent)

Administrative Position	Office	Date
GMF Director	EPFL-Sion	2014 to 2022

Scientific Achievements

Refereed Scientific Research Papers Accepted for Publication

#	Name of Investigator(s)	Research Title	Journal	Acceptance Date
1	Nazeeruddin et al.,	Dopant-additive synergism enhances perovskite solar modules	Nature 2024	https://doi.org/10.1038/s41586-024-07228-z .
2	Nazeeruddin, MK; Kanatzidis, MG; Sargent, EH	A thermotropic liquid crystal enables efficient and stable perovskite solar modules	NATURE ENERGY, 2024	DOI 10.1038/s41560-023-01444-z.
3	Nazeeruddin, MK; Yang, Y; Wang, R.	Oriented nucleation in formamidinium perovskite for photovoltaics	NATURE, 2023	DOI 10.1038/s41586-023-06208-z



4	Nazeeruddin, et al.,	Single-crystalline TiO ₂ Nanoparticles for Narrowing the Scalability Gap towards Stable and Efficient Perovskite Modules,	Nature Nanotechnology, 2022.	DOI:10.1038/s41565-022-01108-1
5	Nazeeruddin, et al.,	Dimensional Tailoring of Hybrid Perovskites for Photovoltaics	NATURE Reviews Materials	volume 4, 4–22, 2019

Scientific Research Papers Presented to Refereed Specialized Scientific Conferences

#	Name of Investigator(s)	Research Title	Conference and Publication Date
1	Nazeeruddin et al.	Dye-Sensitized and Perovskite Solar Cells	300 Publications

Completed Research Projects

#	Name of Investigator(s) (Supported by)	Research Title	Report Date
1	Nazeeruddin et al	Redox mediators	NEC-Japan, 2013
2	Nazeeruddin et al	Flexible Perovskite solar cells	TOYOTA-Europe Motors. 2018 to 2025
3	Nazeeruddin et al	8 EU Projects	2014 to 2027
4	Nazeeruddin et al	CubicPV, USARMY, QNRF, and QEERI	2014 to 2022

Membership of Scientific and Professional Societies and Organizations

- 2022 Chairperson of the 23rd International Conference on Photochemical Storage and solar energy conversion.
- 2015 Founding member and organizer of the International Conference on Perovskite Solar Cells and Optoelectronics, 1st PSCO, 27-29 September, Lausanne, Switzerland.
2nd PSCO, 26-28 September, Genova, Italy. 3rd PSCO, 17—21st September Oxford, 4th PSCO 31st September to 2nd Oct 2018, Lausanne, Switzerland.
- 2017 Chairpersons, HOPV, 2014 and 2017, Lausanne, Switzerland. Organizing Committee member "European Chemistry Conference 2018" July 4-6, 2018, Rome, Italy.
<http://europeanchemistry.madridge.com/organizing-committee.php>



Teaching Activities

Undergraduate

#	Course/Rotation Title	No./Code	Extent of Contribution (no. of lectures/Tutorials. Or labs, Clinics)
1	A General Chemistry course for first-year students of Civil Engineers		2018 – to- 2022
2	Advanced Materials for Photovoltaic and Lighting Applications	Course N°: MCH 546) EPFL/ FSB/ISIC/ Switzerland	2014 – to 2022
3	Interdisciplinary project	Course N°: CH 492	2014 to 2028
4	Advanced Materials for Photovoltaic and Lighting Applications	Course N°: 447) Department of Materials/ Kor University/ S Korea	2009 to 2014

Guest/Invited Lectures for Undergraduate Students

#	Activity/Course Title and Code	Subject	College and University or Program	Date
1	450 plenaries, keynote and invited talks at professional meetings			

Student Academic Supervision and Mentoring

#	Level	Number of Students	From	To
1	Master & PhD	Number of Postdocs, 60/ PhD, 20/ Master Students, 5. FSB/ ISIC/ LPI/ EPFL/ Switzerland	2007	2023

Administrative Responsibilities, Committee and Community Service (Beginning with the most recent)

Personal Key Competencies and Skills: (Computer, Information technology, technical, etc.)

1	Highly Cited Researcher in the field of Chemistry – 2023 Highly Cited Researcher in the field of Engineering - 2023 Highly Cited Researcher in the field of Environment and Ecology – 2023 Highly Cited Researcher in the field of Materials Science - 2023 Highly Cited Researcher in the field of Chemistry - 2022 Highly Cited Researcher in the field of Environment and Ecology – 2022 Highly Cited Researcher in the field of Chemistry - 2021 Highly Cited Researcher in the field of Materials Science – 2021 Highly Cited Researcher in the field of Materials Science - 2020 Highly Cited Researcher in the field of Chemistry – 2020 Highly Cited Researcher in the field of Chemistry - 2019 Highly Cited Researcher in the field of Materials Science – 2019
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Highly Cited Researcher in the field of Materials Science - 2018
Highly Cited Researcher in the field of Physics - 2018
Highly Cited Researcher in the field of Chemistry - 2018
Highly Cited Researcher in the field of Chemistry - 2017
Highly Cited Researcher in the field of Chemistry - 2016
Highly Cited Researcher in the field of Materials Science - 2015
Highly Cited Researcher in the field of Chemistry - 2015
Highly Cited Researcher in the field of Chemistry - 2014

Last Update

03/10/2024
