



TO MAGNIFICO RETTORE OF UNIVERSITA' DEGLI STUDI DI MILANO

ID CODE _____6907_____

I the undersigned asks to participate in the public selection, for qualifications and examinations, for the awarding of a type B fellowship at Dipartimento di _____Physics_____

Scientist- in - charge: _____Dr Roberto Guerra_____

[Name and surname] Manaswita Kar

CURRICULUM VITAE

PERSONAL INFORMATION

Surname	Kar
Name	Manaswita

PRESENT OCCUPATION

Appointment	Structure
Postdoctoral associate	Sorbonne University

EDUCATION AND TRAINING

Degree	Course of studies	University	year of achievement of the degree
Degree	MSc Physics	Symbiosis International University, India	2015
Specialization	Physics	Symbiosis International University, India	
PhD	Physics	University of Potsdam, Germany	2021
Master			
Degree of medical specialization			
Degree of European specialization			
Other			



REGISTRATION IN PROFESSIONAL ASSOCIATIONS

Date registration	of	Association	City

FOREIGN LANGUAGES

Languages	level of knowledge
English	Professional

AWARDS, ACKNOWLEDGEMENTS, SCHOLARSHIPS

Year	Description of award
2015	HyPerCells graduate school scholarship award for pursuing PhD at University of Potsdam, conducting research on perovskites for solar cell applications.
2023	<ul style="list-style-type: none">2,12,000 CPU hrs computation time at the Très grand centre de calcul (TGCC), operated by CEA (Commissariat à l'énergie atomique et aux énergies alternatives), France; Dossier no: AD010914151, valid from: <i>February 2023 - February 2024</i>.

TRAINING OR RESEARCH ACTIVITY

2014	Masters Internship project at IISER Pune, India,
2020	Senior Research Assistantship, University of Southampton
2022	Post Doctoral Associateship, University of Sorbone, France

PROJECT ACTIVITY

PATENTS

Patent



CONGRESSES AND SEMINARS

Date	Title	Place
2023	DPG Germany	Dresden, Germany
2023	YAMBO School	Rome, Italy
2022	Psi-k Congress	Lausanne, Switzerland
2018	International Society of Electrochemistry	Durban, South Africa

PUBLICATIONS

Books
[title, place, publishing house, year ...]
[title, place, publishing house, year ...]
[title, place, publishing house, year ...]

Articles in reviews
<ul style="list-style-type: none">• ‘Computational screening of methylammonium based halide perovskites with band gaps suitable for perovskite-perovskite tandem solar cells’, M. Kar and T. Körzdörfer, <i>J. Chem. Phys.</i>, 149, 214701, 2018.• Computational high throughput screening of inorganic halide perovskites for tandem solar cells’; M. Kar and T. Körzdörfer, <i>Mat. Res. Express</i>, 7, 5, 055502, 2020.• ‘Nitrogen doping induced structural distortion in LaMnO₃ perovskites enhances the bifunctional activity towards OER and ORR’, S. Mondal, S. Sarkar, M. Riyaz, M. Kar, A. Fortuin, S. Vashishth, R. Das, M. Eswaramoorthy, D. Kramer, S. Peter ; <i>ACS Energy Letters</i>, 9, 3440-3447, 2024.•

Congress proceedings
[title, structure, place, year]
[title, structure, place, year]
[title, structure, place, year]

OTHER INFORMATION

Declarations given in the present curriculum must be considered released according to art. 46 and 47 of DPR



n. 445/2000.

The present curriculum does not contain confidential and legal information according to art. 4, paragraph 1, points d) and e) of D.Lgs. 30.06.2003 n. 196.

Please note that CV WILL BE PUBLISHED on the University website and It is recommended that personal and sensitive data should not be included. This template is realized to satisfy the need of publication without personal and sensitive data.

Please DO NOT SIGN this form.

Place and date: ____Paris_____, ____24.09.2024____