



TO MAGNIFICO RETTORE OF UNIVERSITA' DEGLI STUDI DI MILANO

ID CODE \_4753\_\_\_\_\_

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 \_\_\_Biomedical and Clinical Sciences "L. Sacco"\_\_\_\_\_

Scientist- \_\_\_\_\_ in \_\_\_\_\_ - \_\_\_\_\_ charge: \_\_\_\_\_ Prof. \_\_\_\_\_ Jeanette Maier\_\_\_\_\_

[KUMARI PRITI SINHA]

## CURRICULUM VITAE

### PERSONAL INFORMATION

Surname	SINHA
Name	KUMARI PRITI
Date of birth	[10, DECEMBER, 1986]

### PRESENT OCCUPATION

Appointment	Structure
	CURRENTLY, NOT HOLDING ANY POSITION

### EDUCATION AND TRAINING

Degree	Course of studies	University	year of achievement of the degree
Degree			
Specialization			
PhD	CHEMICAL ENGINEERING	IIT BOMBAY, MUMBAI, INDIA	2018
Master	CHEMICAL ENGINEERING	IIT BOMBAY, MUMBAI, INDIA	2018
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	FLUENT SPEAKER

## AWARDS, ACKNOWLEDGEMENTS, SCHOLARSHIPS

Year	Description of award
2012	BEST POSTER PRESENTATION AWARD AT RESEARCH SCHOLAR SYMPOSIUM AT IIT BOMBAY, INDIA
2018	INSTITUTE AWARD FOR BEST Ph.D. THESIS AT IIT BOMBAY, INDIA
2018	SHAH SCHULMAN AWARD FOR BEST Ph.D. THESIS IN THE FIELD OF 'COLLOIDS AND INTERFACES' IN INDIA

## TRAINING OR RESEARCH ACTIVITY

description of activity: POST-DOCTORAL FELLOW AT THE DEPARTMENT OF BIOMEDICAL AND CLINICAL SCIENCES, UNIVERSITY OF MILAN, FROM MAY 2019 TO APRIL 2020
---

## PROJECT ACTIVITY

Year	Project
POST-DOC AT UNIVERSITY OF MILAN	STUDY OF ENDOTHELIAL CELL RESPONSE FOR VASOACTIVE MEDIATORS IN A MODEL OF MICROVASCULATURE ON-A-CHIP'
VISITING POST-DOC AT UNIVERSITY OF GRENOBLE	STUDY OF ENDOTHELIAL CELL RESPONSE FOR VASOACTIVE MEDIATORS IN A MODEL OF MICROVASCULATURE ON-A-CHIP'

## PATENTS

Patent



## CONGRESSES AND SEMINARS

Date	Title	Place
3-6 Sept 2019	Effect of Nanosecond Pulsed Electric Fields on Compound Spheroidal Vesicle	3 <sup>rd</sup> World congress on electroporation and pulsed electric field, Toulouse, France
5-7 Sept 2016	Electrohydrodynamics of Compound Vesicle in AC Electric field	Biomembrane Days, Berlin, Germany
13-17 Sept 2016	Conformation of Charged Vesicles: The Debye Huckel and low curvature limit	3 <sup>rd</sup> International conference on soft matter, Grenoble, France

## PUBLICATIONS

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

Articles
Electric field induced pearling instability in cylindrical vesicles, <i>Soft Matter</i> , 2013
Conformation of charged vesicles: the Debye-Hückel and the low-curvature limit, <i>Eur. Physical J. E</i> , 2016
Electrohydrodynamics of a compound vesicle under an ac electric field, <i>J. Phys: Cond Matter</i> , 2017
Effect of ac electric field on the dynamics of a vesicle under shear flow in the small deformation regime, <i>Physical Review E</i> , 2018
Shape deformation of a vesicle under an axisymmetric non-uniform alternating electric field, <i>J. Physica: Cond. Matter</i> , 2018
Effect of shape deformation on the dielectrophoretic force on a vesicle under axisymmetric non-uniform alternating electric field, <i>J. of Electrostatics</i> , 2019
A theoretical study on the dynamics of a compound vesicle in shear flow, <i>Soft Matter</i> , 2019
Electrohydrodynamics of vesicles and capsules, <i>Langmuir</i> , 2020
The effect of shear stress reduction on endothelial cells: A microfluidic study of the actin cytoskeleton, <i>Biomicrofluidics</i> , 2020

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.

Place and date: \_\_\_BANGLORE, INDIA\_\_\_, \_\_\_23\_\_October\_\_2020\_\_\_\_\_

SIGNATURE

Kumari Patti Singh