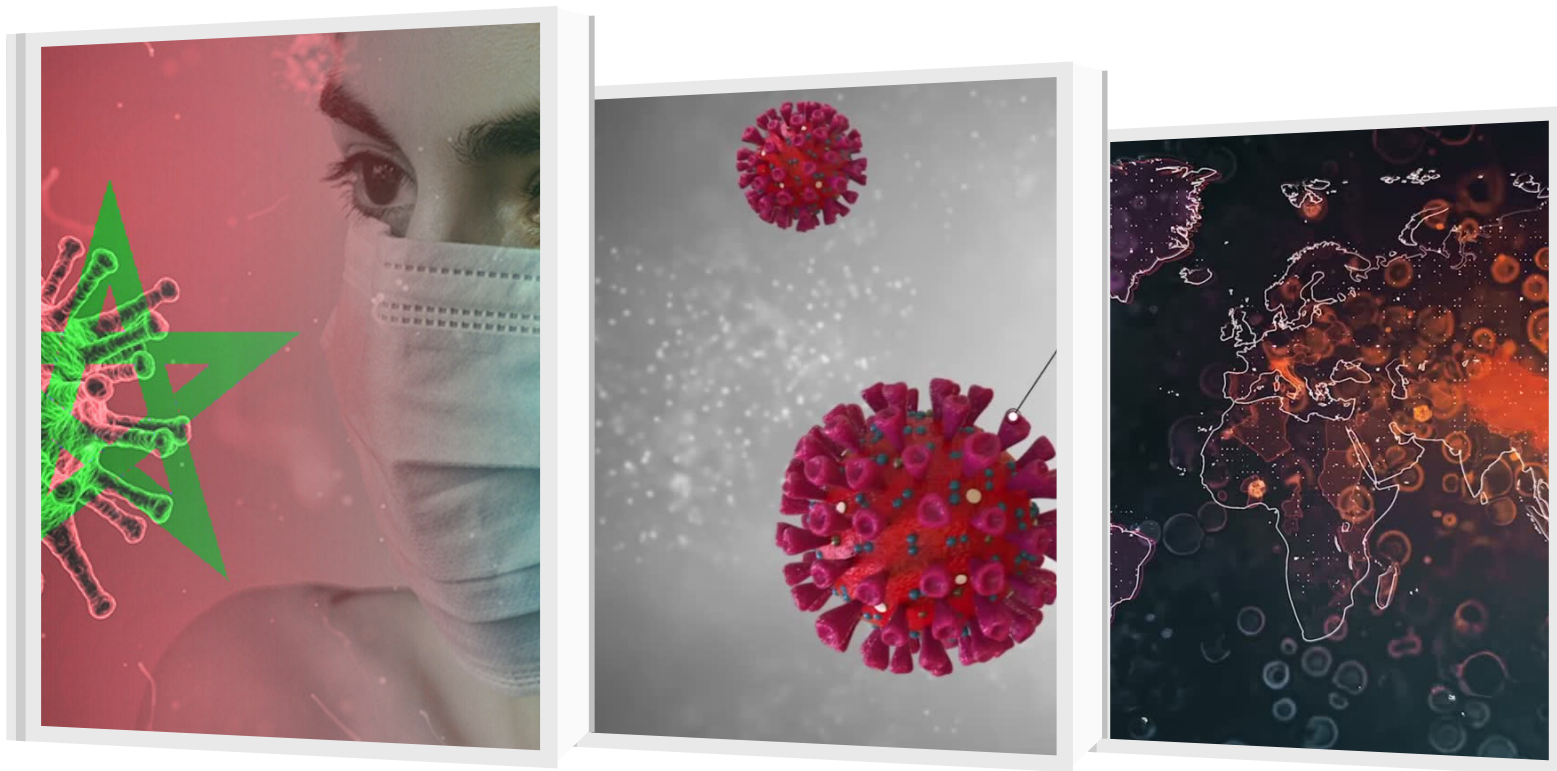


The Cluster of Competence "Health & Environment" in partnership  
with BASE Laboratory of Moulay Ismail University of Meknes  
organise

## E-CONFERENCE :

# Data Science & Epidemiology for Global Health Research against COVID-19



Friday, July 3rd, 2020

To register : [Click here](#)

To join us : <https://meet.google.com/cyq-biod-wpo>

Event Coordinator : Prof. Y. FILALI ZEGZOUTI

Coordinator of CC-SE : Prof. S. EL JAAFARI

# E-Conference :

## Data Science & Epidemiology for Global Health Research against COVID-19

The current COVID-19 pandemic leads us to the tough questions we ask :

- What's the number of people infected and the expected number of positive cases ?
- What is the impact on the environment and on the human health ?
- How long will this health crisis last and how the world can be prepared ?

In this period of digital infobesity, the answers to these questions become difficult to provide. In fact, information overload can generate unreliable and sometimes wrong and/or imprecise data for various reasons (absence of insufficient communication, political considerations, industrial lobbying, etc.).

Mathematical models are then used to explore the different scenarios falling within the framework of managing this crisis. These models are still necessary, even if they can produce uncertain predictions. However, urgent decisions must be made quickly to deal with the urgent health situation and especially in the case of Covid-19 with a very rapid intercontinental spread.

It is in this context that the Cluster of Competence 'Health and Environment' of IUC/VLIR-UOS Program, in partnership with the Research Laboratory "Bioactives, Health and Environment", FSTE-FSM of Moulay Ismail University of Meknes, organizes this online conference on Data Sciences and Human Health Modeling for adapted responses against Covid-19.

This event aims primarily to provide a digital communication platform by bringing together university researchers in Biological, Environmental and Mathematical Sciences & Health Professionals. We also intend to share the results of the most recent work carried out during containment and identify future needs for research in the medium and long term during the post-COVID19 period.

# E-Conference :

## Data Science & Epidemiology for Global Health Research against COVID-19

### Agenda of the conference

**9h00 - 9h15**

**Welcome and opening session**



**Prof. Hassane SAHBI**

President of Moulay Ismail University of Meknes

**Prof. Samir EL JAAFARI**

Coordinator of the Cluster of Competence on Health & Environment  
Coordinator of the IUC Program - UMI/VLIR-UOS



**Prof. Abdelhamid ZAID**

Vice-president of research & Innovation  
Coordinator of BASE Laboratory

**Prof. Younes FILALI ZEGZOUTI**

Professor, BASE Laboratory - Moulay Ismail University of Meknes  
On behalf of the Organizing Committee



**9h15 - 11h15**

**Session 1 : Epidemiology for Global Health Research against COVID-19**

**11h15 - 11h30**

**Digital Break / E-posters display**

**11h30 - 13h30**

**Session 2 : Health Modeling against COVID-19**

**13h30 - 15h00**

**Digital Break / E-posters display**

**15h00 - 18h00**

**Oral communications**

**18h00 - 18h30**

**Closing session**

**Best communication & Best E-poster awards**

# E-Conference :

## Data Science & Epidemiology for Global Health Research against COVID-19

### Session 1 : Global health research against COVID-19



**Prof. Moulay Mustapha ENNAJI**

Director, Laboratory of Virology (LVMQB ETB), FST Mohammedia - Hassan II University of Casablanca. .

"SARS COV-2 et COVID-19 : Virulence, latence et pathologies virales émergentes et réémergentes"



**Prof. Dr. Lode GODDERIS**

Professor at the Centre for Environment and Health KU Leuven, Belgium

"Coronavirus & Mental Health in the Occupational Setting : What are the impacts and how to perform testing?"



**Prof. Abdelmajid ZiAD**

Vice President in charge of Academic Affairs & University Development - Sultan Moulay Slimane University of Beni Mellal

"Réponse immunitaire face au SARS-COV-2 : Défis et Opportunités"



**Dr. Abderrahim BENYASRHI**

Director, Center of Blood Transfusion Fez Meknes

Coronavirus , quel impact sur le don du sang ?



**Pr. Mohamed Yassine AMAROUCH**

R.N.E Laboratory, Sidi Mohamed Ben Abdellah University of Fez  
Department of Clinical Research - NCCR transcure, University of Bern, Switzerland

Covid-19 et controverses: la chloroquine peut-elle provoquer une mort subite cardiaque?

**Facilitator : Ms. Aziza MENOUNI**

Cluster of Competence "Health & Environment, Moulay Ismail University of Meknes  
Environment & Health Unit, KU Leuven - Belgium





# E-Conference :

## Data Science & Epidemiology for Global Health Research against COVID-19

### Session 2 : Health Modeling against COVID-19



**Prof. Mohamed BOUACHRINE**

Director, Superior School of Technology, Khenifra - Sultan Moulay Slimane University

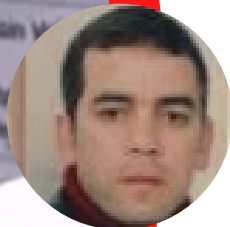
"La bio-informatique et la chemo-informatique au service de la recherche et la conception in silico de nouveaux antiviraux contre le COVID-19"



**Prof. Mohamed NEJMI**

Biological engineering laboratory, Faculty of Sciences and Techniques, Sultan Moulay Slimane University, Beni Mellal

"Mathematical Modeling of the capacity of the Moroccan Health System in the context of COVID-19"



**Prof. Taoufiq FECHTALI**

Director of the Biosciences laboratory - Hassan II University President, Moroccan Association of Biochemistry and Molecular Biology

"Cartographie de la vulnérabilité au risque épidémiologique du COVID-19 "



**Prof. ElHassan ESSOUFI**

Director, Laboratory of Mathematics, Informatics and Engineering Sciences - FST Settat

"Modèles mathématiques en épidémiologie COVID-19 "



**Prof. Mouhcine TILIOUA**

Director, Laboratory of Modeling, Mathematical analysis and scientific calculation - FST Errachidia

"Un modèle mathématique fractionnaire pour mieux prédire l'évolution de la propagation du COVID-19"



**Facilitator : Prof. Younes FILALI ZEGZOUTI**  
BASE Laboratory, Moulay Ismail University of Meknes

# E-Conference :

## Data Science & Epidemiology for Global Health Research against COVID-19

### Call for Abstracts

All abstracts must be submitted in French or English.

Abstracts must use the following outline (with the exception of case reports): Introduction & aims, Methods, Results & Discussion, Conclusion

The maximum length of an abstract is 2000 characters including spaces. This count excludes the abstract title, authors and their affiliations.

Please submit your abstract in Word format, Times New Roman 12, Line spacing : simple.

Max. allowed keywords : 5

Once submitted, your abstract can be amended within the deadline.

**FULL PAPER SUBMISSION (optional)** : Upon abstract acceptance, authors will be offered the opportunity of submitting a full (two pages) paper to be considered for publication. After a peer-review process, the accepted full papers will be published in a International Journal of Molecular Science dedicated issue (IF. 4,18).

**Oral presentation** : You will be given 8-10 min to present your work.

**E-Poster** : Landscape format requested. You will be given 3 min to pitch.

Please send your presentation PPT or e-poster by July 2nd, 2020.

**Deadline for abstract submission : July 1st, 2020**

**Send your abstract to : [y.filalizegzouti@fste.umi.ac.ma](mailto:y.filalizegzouti@fste.umi.ac.ma) and CC : [s.eljaafari@umi.ac.ma](mailto:s.eljaafari@umi.ac.ma)**

**Put Submission\_YourName\_YourUniversity acronym in the subject of your email.**