



Third Meeting of the BRICS Academies of Sciences

Conference PROGRAM

“Academic science in the fight against COVID -19. Economic, sociological and other aspects of the post-COVID world”

Participants: Brazilian Academy of Sciences (ABC)
Russian Academy of Sciences (RAS)
Indian National Science Academy (INSA)
Chinese Academy of Sciences (CAS)
Academy of Science of South Africa (ASSAf)

Date: 14th and 15th December 2020

Start and end times:

	Day 1	Day 2
Brazil (Brasilia)	08:00-10:45	08:00-10:30
Russia (Moscow)	14:00-16:45	14:00-16:30
India (New Delhi)	16:30-19:15	16:30-19:00
China (Beijing)	19:00-21:45	19:00-21:30
South Africa (Pretoria)	13:00-15:45	13:00-15:30

Format – online-conference via Zoom

Day 1

Link: <https://us02web.zoom.us/j/83307102844?pwd=Z3U0V2tQanhPd2R5Rjl6TWpUVnZXZz09>

Conference ID: 833 0710 2844

Password: 254232

Day 2

Session 2 and Closing Session

Link: <https://us02web.zoom.us/j/84746589044?pwd=WitPRzA4a0N6S3k4STE5WFRZeVFxUT09>

Conference ID: 847 4658 9044

Password: 487703

Session 3

Link: <https://zoom.us/j/91065632647?pwd=NSsxeEZ6QktmRjJST3lVQkQ2azVPdz09>

Conference ID: 910 6563 2647

Password: 235697

Working language – English

14th December

Day one

Time

(GMT+3)

Link:

<https://us02web.zoom.us/j/83307102844?pwd=Z3U0V2tQanhPd2R5Rjl6TWpUVnZXZz09>

Conference ID: 833 0710 2844

Password: 254232

13:30-13:45 **Zoom conference opens**

13:45-14:00 **Participant registration**

Opening Session

Moderator from RAS: *Prof. Yuri Balega, RAS Vice-President*

14:00-14:50 Welcome messages

14:00-14:03 Vice-President, Russian Academy of Science
Prof. Yuri Balega

14:03-14:10 President, Russian Academy of Sciences
Prof. Alexander Sergeev

14:10-14:17 Ministry of Foreign Affairs of the Russian Federation
Russia's Sous-Sherpa in BRICS Pavel Knyazev

14:17-4:24 President, Brazilian Academy of Sciences
Prof. Luiz Davidovich

14:24-14:31 Vice-President, Indian National Science Academy
Prof. Jitendra P. Khurana

14:31-14:38 Vice-President, Chinese Academy of Sciences
Prof. Yaping Zhang

14:38-14:45 President, Academy of Science of South Africa
Prof. Jonathan Jansen

**Session I Epidemiology, virology and molecular biology studies of
COVID-19 and variants**

Moderator from ABC: *Professor Helena B. Nader, Vice-President, Brazilian Academy of Sciences*

14:50-15:10 Prof. Qihui Wang, CAS Key Laboratory of Microbial and
Metabolic Engineering (CAS)

SARS-CoV-2 entry mechanism and potential therapeutic mAbs

15:10-15:30 Dr. Anurag Agrawal, Institute of Integrative Genomics and
Biology (INSA)



	<i>Molecular Surveillance of SARS-CoV2 Pandemic in India: Epidemiological and Clinical Insights</i>
15:30-15:50	<i>TBC (RAS)</i>
15:50-16:00	Prof. Wanderley de Souza, Federal University of Rio de Janeiro (ABC) <i>Cell Biology of SARS-CoV-2 interaction with Host Cells and Pathologic Effects</i>
16:00-16:10	Prof. Amilcar Tanuri, Federal University of Rio de Janeiro (ABC) <i>Understanding the COVID Pandemic in Brazil</i>
16:10-16:30	Prof. Salim Abdool Karim, Director, CAPRISA, Co-Chair, Ministerial Advisory Committee on COVID-19 (ASSAf) <i>The COVID-19 Epidemic in South Africa: Challenges & Prospects</i>
16:30-16:45	Discussion and Concluding Remarks End of Day 1

15th December
Time
(GMT+3)

Day Two
Parallel Sessions

13:30-13:45	<i>Zoom conference opens</i>
13:45-14:00	<i>Participant registration</i>

Session II Mathematical and computer modelling of pandemics

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Conference ID: 847 4658 9044

Password: 487703

Moderator from CAS: *Prof. Xin Li, Institute of Tibetan Plateau Research*

14:00-14:20	Prof. Xin Li, Institute of Tibetan Plateau Research (CAS)
14:20-14:40	Dr. Ramanan Laxminarayan, Center for Disease Dynamics, Economics & Policy (INSA)
14:40-15:00	Prof. Alexei Romanyukha, Deputy Director for Science, Marchuk Institute of Numerical Mathematics (RAS)



15:00-15:20 Prof. Ian Graig, Professor and Group Head : Control Systems,
University of Pretoria (ASSAf)
Feedback Control and the Modelling of Pandemics: A COVID-19 Case Study

15:20-15:40 Prof. Tiago Pereira, University of São Paulo (ABC)
Smart Designs for COVID-19 Control

13:40-13:55 Discussion

13:55-14:15 *Break*

Session III Social, economic and psychological effects of the pandemic

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Password: 235697

Moderator from ASSAf: *TBC*

14:00-14:20 Prof. Julian May, Director: DST-NRF Centre of Excellence in
Food Security, Director: UNESCO Chair in African Food
Systems, University of the Western Cape (ASSAf)
*Addressing the Slow Violence of Childhood Malnutrition in the
Era of COVID-19: What is the Science/Policy Nexus?*

14:20-14:40 Prof. Buxin Han, Institute of Psychology (CAS)

14:40-15:00 Dr. Narinder K. Mehra, ICMR Emeritus Scientist, AIIMS
(INSA)

*Psycho-social and economic impact of COVID-19: Indian
perspective*

15:00-15:20 Prof. Ruben Oliven, Federal University of Rio Grande do Sul
(ABC)

*What are the social and economic impacts of the Covid-19
pandemic in Brazil?*

- 15:20-15:40 Prof. Timofey Nestik, Head of Laboratory, Institute of Psychology, Member of IAAP (RAS)
The resilience during the COVID-19 pandemic and attitudes toward global risks in Russia
- 15:40-15:55 Discussion
- 15:55-16:15 *Break*

Time

Closing Session

(GMT+3)

Link:

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Moderator from INSA: *Prof. Jitendra P. Khurana, Vice-President, Indian National Science Academy*

16:15-16:20 Review of Meeting Communique

16:20-16:25 **Closing Remarks**

Prof. Yuri Balega

Vice-President, Russian Academy of Sciences (TBC)

16:25-16:30 **Closing Remarks, announcement of BRICS Chairmanship in 2021**

Prof. Jitendra P. Khurana

Vice-President, Indian National Science Academy