



21st Science Council of Asia Conference

**Science, Technology & Social Science Research:
Together for a Better World**

PROGRAMME OF ACTIVITIES

15-17TH March 2022
Indian Council of Social Science Research (ICSSR)
Ministry of Education
Government of India

Organized by



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Concept Note

The last couple of decades have witnessed remarkable surge in the interest for multidisciplinary and transdisciplinary researches, having the best of science, technology and social science researchers working on themes of common and converging interests for the betterment of societies across the world. There is a realisation, greater than ever before, that science and technology are increasingly becoming part of day to day life and so, the society, its needs, aspirations and adaptability to the transformations brought about by developments in science & technology have acquired pivotal position while considering the outcome of shifts caused by science and technology.

Understanding the social implications of the newer applications of science and technology has become critical and seems to continue to be so, given the dynamics of social changes with developments in science and technology. The pervasive use of science and technology in decision-making processes such as consumption, production, use of such knowledge in medical sciences and even application of ICTs in addressing the complex situations that are encountered by people and governments have made it imperative to study science and technology and social science together for a better world. It is being recognised to growing extent that while science and technology studies need a more humane and social approach through the integration of social science theories, frameworks and understanding, whereas social science studies can gain objectivity and enrichment from greater orientation towards empirical and evidence-based researches in science and technology domains. These integrations are and can be mutually bolstering and can thus significantly contribute to expanding the knowledge frontiers to produce better societal outcomes.

Historically, the roots of such a multidisciplinary area of research could be traced back to the classic study by Thomas Kuhn's 1962 piece 'The Structure of Scientific Revolutions' where Kuhn examined how scientific knowledge and its technological applications could effectively be connected to the social developments built on law, politics, public policy, ethics, and culture. Since then there has been widespread interest in researches combining multidisciplinary perspectives for holistic view on research problems. In the recent times, many universities in the world have designed and offered such courses which are based on multidisciplinary and trans disciplinary areas.

The research has primarily been categorised in two groups –

- 1) understanding science and technology researches as social institutions, and
- 2) assessing and mapping the impacts of science and technology on society and various aspects of societal developments such as social structures and systems, environmental aspects, peace and other human dimensions.

However, recent developments and emerging contemporary challenges such as rise in new forms of information technology such as application of artificial intelligence (AI), machine learning, block chain technology and other such technological advancements, and also the risks posed by imminent threats such as climate change have brought new set of challenges for the both - science and technology as well as social science researches. It requires innovative methods and holistic approaches to understand such challenges and devise ways

of addressing these challenges in meaningful ways. Obviously, these challenges cut across disciplinary boundaries and require systematic and holistic approaches.

The proposed conference offers the right platform for engaging young scientists from such a wide canvas to discuss, deliberate, debate and rise to such challenges in bringing out new knowledge and foster multidisciplinary researches for a better world. The Conference will feature eminent keynote and plenary speakers. It will also involve parallel sessions and poster sessions on the various areas of the theme.

Organizing Institutions

The Science Council of Asia (SCA) is an international scientific organization founded in 2000 by Asian science academies and other national scientific organizations. SCA aims to provide scientists in all fields, including cultural and social as well as natural sciences and technology, with a collaborative platform for promoting scientific exchange and cooperation in Asia, and to develop and promote a holistic vision focusing on sustainable development and improvement in quality of life. At present, SCA is comprised of 31 academic organizations in Asia, and SCA Conference has been held annually since 2001.

The Indian Council of Social Science Research (ICSSR), New Delhi (India), established in the year 1969, is an autonomous body working under the aegis of Department of Higher Education, Ministry of Education, Government of India. It is the apex national nodal Council for promoting and funding social science research in India. The funding and promotional programmes of the ICSSR operate through the mechanism of institutional and individual grants. An all India network of 24 frontline Research Institutes and six regional centres is maintained and five recognized institutes are programmatically supported by the ICSSR. ICSSR is the single largest agency involved in the funding of social science research to the Universities, Colleges and research institutions in the country.

Conference Mode

The meeting will be held in online mode only. The conference webcasting link and meeting ID will be announced before the conference starts. With the e-mail registered as the only identity, on-line participants can watch the live webcast by following links:

www.icssr-scac2022virtual.com

Website

Welcome to check more detail and view the e-posters on the conference website:

www.icssr-scac2022virtual.com **<https://icssr.org/sca>**

Enquires 21st SCA Conference Organizing Team **Email:** sca21icssr@gmail.com

MESSAGES



I would like to welcome you for participating in the 21st Science Council of Asia (SCA) Conference being hosted by the Indian Council of Social Science Research (ICSSR), New Delhi. As Chairman of ICSSR, I am deeply honoured that this important Conference is held in India.

The Science Council of Asia brings together scientists and scientific organisations from all academic fields, including the cultural and social sciences as well as the natural sciences and technology, to achieve the following aims:

- To exchange information among Asian countries on the current status of science;
- To promote collaboration and cooperation in a wide range of fields in the sciences in the Asian region;
- To deepen understanding and trust among scientists in Asia.

The SCA conference is hosted by a member country every year. Starting with its first conference, the SCA has focussed on Sustainable Development as its main theme, in an effort to discern the best way for humanity to conduct and expand its activities in light of the fact that the Earth's resources are finite. It may not be possible to formulate a single model that is applicable to all member countries because Asia is economically and culturally diverse. Nonetheless, we believe that it is vital that we gather under the banner of the SCA, take the initiative in establishing a vision for sustainable development in Asia through dialogues among member countries, and strive to achieve the ultimate goal of developing Asia into a more prosperous, harmonious, and greener region. Thus, under the auspices of the SCA, all member countries should work together to promote several joint research projects towards our common goal, Sustainable Development.

The theme of the 21st SCA Conference "Science, Technology & Social Science Research: Together for a Better World" is timely and appropriate. I am strongly convinced that all the participants from Asia will produce fruitful outputs in the two-day virtual discussions.

I hope, SCA will be very successful in its endeavour and bring about strong relationship with member countries in respect of promoting cooperation and goodwill.

I wish grand success of SCA in its effort to achieve the goal.

Professor P. Kanagasabapathy
Chairman, ICSSR

MESSAGES



On behalf of Science Council of Asia (SCA), I am delighted to welcome you all to the 21st SCA Conference to be held in the beautiful city, Delhi of India. I would like to express my sincere gratitude to Prof. V. K. Malhotra of ICSSR, Vice-President of SCA and the SCA Secretariat for the successful preparation of this conference. I am also very grateful to the member organizations of SCA for their contribution and cooperation.

Science Council of Asia was established with the aim of promoting cooperation in scientific research to undertake diverse and urgent issues common to Asian countries including sustainable development, education, health, population problems, water, energy and environment. Since the establishment of SCA in May 2000, 20 SCA Conferences have been held in myriad Asian countries. The last conference was held in the historic and cultural city of Guangzhou, China in 2021.

We are living in the challenging era of the rapid evolution of sciences and technologies, severe climate change, and pandemics such as COVID-19. All of such problems cannot be solved by a single discipline, a particular region, or a specific sector. These are to be responded to by long-term approaches, multi-disciplinary efforts, multi-sector participation, and international cooperation.

The proposed theme of the 21st SCA conference is “Research and Innovation in Asia: Science, Technology and Social Science Research on Health, Education, Environment, Artificial Intelligence, Big Data, Robotics and many other areas.”

I believe that Science Council of Asia will be one of the most creative think tanks and action centers for promoting sciences and sustainable development of Asian countries. I hope that all of you partaking in this conference will impart your knowledge and wisdom to turn the risk of critical issues for our world into an opportunity and a breakthrough to walk into a better world. It is my sincere hope that the 21st SCA Conference will prove to be highly fruitful and shall be successfully completed.

Jang Moo Lee
President of Science Council of Asia
President of National Academy of Sciences
Republic of Korea

MESSAGES



I would like to welcome you to Indian Council of Social Science Research (ICSSR) for participating virtually in the 21st Science Council of Asia (SCA). As Member Secretary of ICSSR and Vice President of SCA, I am deeply honoured that this important Conference is being held in India.

The theme of the 21st SCA Conference is “Science, Technology & Social Science Research: Together for a Better World”. As we all know, the last couple of decades have witnessed remarkable surge in the interest for multidisciplinary and transdisciplinary researches, having the best of science, technology and social science researchers working on themes of common and converging interests for betterment of societies across the world. There is a realisation, greater than ever before, that science and technology are increasingly becoming part of day to day life and so, the society, its needs, aspirations and adaptability to the transformations brought about by developments in science & technology have acquired pivotal position. This Conference will offer the right platform for engaging young scientists from such a wide canvas to discuss, deliberate, debate and rise to such challenges in bringing out new knowledge and foster multidisciplinary researches for a better world.

SCA has built closer ties with other international organizations and networks. In today's complex society, SCA can play a crucial role in scientific progress in Asia and the world, expediting collaboration and cooperation with other international organizations. SCA is fully aware of its importance to enhance the role of academia in Asia to contribute more effectively and strategically to the global issues. SCA can function as a strong platform, not to merely consolidate but carefully represent the diversity of the academic understanding of Asia as one.

I am confident that SCA will serve to enhance its efforts by fostering cooperation among SCA member nations and spearheading collaboration with other academic organisations of the world.

I hope that this Conference would add a lot to our understanding and we would stand enriched by well researched and highly informed discussions and deliberations.

Prof. V.K. Malhotra
Vice President
Science Council of Asia
& Member Secretary, ICSSR

MESSAGES



First of all, I would like to express my heartfelt sympathy and respect to people who are combating with the prolonged COVID-19 pandemic all over the world.

Due to the pandemic, the 21st Science Council of Asia (SCA) Conference is held in the online mode. I would like to show my cordial appreciation to the conference host, Indian Council of Social Science Research (ICSSR) and all of SCA Member Organizations for their enormous efforts and cooperation in these difficult times.

Since the establishment in 2000, SCA has contributed to societies under objectives articulated in the Statutes of the SCA:

- (1) to provide scientists in all fields, including cultural and social as well as natural sciences and technology, a collaborative platform for promoting scientific exchange and cooperation in Asia for the improvement of human society, and,
- (2) to develop and promote a holistic vision by integrating the emerging advances in science and technology with Asian wisdom, values and heritage, focusing on sustainable development and improvement in quality of life.

The theme of 21st SCA Conference is “Science, Technology and Social Science Research: Together for a Better World.” I am confident that this Conference would provide us with opportunities to enhance our interdisciplinary networks among scientists in Asian countries and regions, which can be beneficial for us to address, discuss and advocate critical issues by drawing upon collective wisdom. To tackle present complicated issues, it is essential for all academic disciplines from humanities and social sciences to natural sciences, to collaborate beyond boundaries.

This Conference is and aims to provide, therefore, definitely an advantageous occasion to exchange scientific information in and outside Asia. I would be much grateful if there would be enriching fruitful discussions during this Conference.

SHIBUSAWA Sakae
Secretary General / Treasurer
Science Council of Asia

MAIN THEME

*Science, Technology & Social Science Research:
Together for a Better World*

SUB THEMES

Theme 1-Science, technology and public policy in larger social, historical and ethical contexts

Theme 2-Science, technology and society for SDGs

Theme 3-Socio-technological transformation and Future Earth: theories and applications

Theme 4-Socio-technological transitions and the key economic sectors

Theme 5-Social construct of scientific and technological developments

Theme 6-Role of science and technology and social science in the emerging research fields such as biomedical science, information science, and the natural sciences

Theme 7-Frameworks, approaches, methods for science, technology and social science studies

Theme 8-Social Science Paradigm with emerging Big data, Artificial Intelligence and Block-Chains

PROGRAMME AT A GLANCE (VIRTUAL)

Date	Time (IST, UTC+0530)	Programme	Host	Room
15-03-2022 (Tuesday)	10:00-10:20	Opening Ceremony	ICSSR	Auditorium
	10:20-10:25	Brief Remarks by Director, Future Earth Global Hub South Asia; Chair, Divecha Centre for Climate Change, IISc, Bengaluru		Auditorium
	10:30-10:50	Keynote Speech-1		Auditorium
	10:55-11:15	Keynote Speech-2		Auditorium
	11:15-11:30	Break		
	11:30-13:00 Parallel Session	Theme1 -Science, technology and public policy in larger social, historical and ethical contexts		Hall1
		Theme2 -Science, technology and society for SDGs		Hall2
	13:00-14:00	Break		
	13:00-14:30	Poster Presentation		Poster Hall
	14:00-15:30 Parallel Session	Theme3 -Socio-technological transformation and Future Earth: theories and applications		Hall1
		Theme4 -Socio-technological transitions and the key economic sectors		Hall2
	15:30-16:00	Break		
	16:00-17:30	SCA Management Board Meeting(MBM) *Zoom link is sent to SCA MBM members only	SCA Secretariat	
16-03-2022 (Wednesday)	10:00-10:20	Keynote Speech-1		Auditorium
	10:25-10:45	Keynote Speech-2		Auditorium
	10:45-11:15	Break		
	11:15-13:00 Parallel Session	Theme5 -Social construct of scientific and technological developments		Hall1
		Theme6 -Role of science and technology and social science in the emerging research fields such as biomedical science, information science, and the natural sciences		Hall2
	13:00-14:00	Break		
	13:00-14:30	Poster Presentation		Poster Hall
	14:00-15:30 Parallel Sessions	Theme7 -Frameworks, approaches, methods for science, technology and social science studies		Hall1
		Theme8 -Social Science Paradigm with emerging Big data, Artificial Intelligence and Block-Chains		Hall2
	15:30-16:00	Break		
16:00-17:00	Closing Ceremony	ICSSR & SCA Secretariat	Auditorium	
17-03-2022 (Thursday)	10:30-11:30	Virtual Cultural Tour of Delhi		Auditorium

AGENDA (VIRTUAL)

Day 1

Tuesday, 15th March 2022

Time Zone
(IST, UTC+0530)

10:00-10:20

Opening Ceremony

Welcome Remarks

Prof. Jang-Moo LEE

President, SCA

President, National Academy of Sciences (NAS)

Republic of Korea

Opening Remarks

Prof. V K Malhotra

Vice-President, SCA

Member Secretary, ICSSR

10:20-10:25

Brief Remarks

Prof S. K. Satheesh

Director, Future Earth Global Hub South Asia; Chair, Divecha Centre for Climate Change, Indian Institute of Science, Bengaluru

10:30-10:50

Keynote Speech

Prof. Suchana Apple Chavanich

Professor, Reef Biology Research Group

Department of Marine Science, Faculty of Science

Chulalongkorn University, Thailand

"Coral restoration in Southeast Asia: using science and technology and how to move forward"

10:55-11:15

Prof. Bhushan Patwardhan

Distinguished Professor

Savitribai Phule Pune University

"Science, Technology and Public Policy in Larger Social, Historical and Ethical Contexts"

11:15-11:30

BREAK

11:30-13:00

Parallel Session

Theme 1: Science, technology and public policy in larger social, historical and ethical contexts

Chair: Dr. N K Singh

Former Chairman,

15th Finance Commission

Government of India

Presenter 1: **Mr. Shota Yamada, Doctoral Program Student, Graduate School of International Relations, Ritsumeikan University, Kyoto, Japan**

"Drinking Water Crisis and Development Assistance in Bangladesh: Purification and Supply Technology, and Local Knowledge of Resources"

Presenter 2: **Ms. Thilinakumari Kandanamulla, Scientific Officer, International Affairs Division, National Science Foundation, Colombo, Sri Lanka**

"Evidence to Policy Pathways in Sri Lanka in the context of COVID 19"

Presenter 3: **Dr. Nan Hlaing, Professor, Department of History, University of Yangon, Myanmar**

"The Kāmantakī Nītisāra: Political Thought from Sanskrit to Myanmar"

Presenter 4: **Dr. Alok Kumar Verma, Assistant Professor, Samrat Ashok Subharti School of Buddhist Studies, Swami Vivekanand Subharti University, Meerut, U.P.**

"Contribution of Indians in the field of Science and Technology in ancient India"

Presenter 5: **Dr. Vipina Valsan, Assistant Professor, Department of Electrical and Electronics Engineering, Amrita Vishwa Vidyapeetham (Amrita University) Amritapuri, Kollam**

"Multi-dimensional Holistic Framework for Women Empowerment: A Voyage from Vedic culture to the Modern Era"

11:30-13:00

Parallel Session

Theme 2: Science, technology and society for SDGs

Chair: Dr Vibha Dhawan

Director General

The Energy and Resources Institute (TERI)

New Delhi

Chair: Dr. YASUDA Nina

Associate Professor

Department of Marine Biology and Environmental Sciences,

Faculty of Agriculture,

University of Miyazaki, Japan

Presenter 1: **Prof. Sung Hyun Park, Member, The National Academy of Sciences, Republic of Korea**

"A Study on the UN SDGs and the impacts of COVID-19, and activities of Korean government and people to achieve the SDGs"

Presenter 2: **Ms. Yee Mon Cho, Ph.D. Student in English Language Teaching Program, Buriram Rajabhat University, Thailand**

"Global Citizenship Education: A Comparative Analysis of ASEAN Countries"

Presenter 3: **Prof. Seung Woo Park, Member, The National Academy of Sciences, Republic of Korea**

"Monitoring and Modeling of the Hydrology and Water Quality for Sustainable Paddy Irrigation"

Presenter 4: **Ms. Shubhangi Jain, Scholar, Masters in Political Science, University of Delhi, New Delhi**

"Community-Based Adaptations as an alternative to Dominant Development Paradigms: A Case of Mekong River Basin"

Presenter 5: **Dr. Naresh Muljibhai Chauhan, Assistant Professor, Department of Economics, Gujarat Vidyapith, Ahmedabad**

"Digital Technology for Tribal Produces: Scope for Inclusive Development in Gujarat"

13:00-14:30 **LUNCH BREAK & POSTER PRESENTATIONS**

www.icsr-scac2022virtual.com

14:00-15:30 **Parallel Session**

Theme 3: Socio-technological transformation and Future Earth: theories and applications

Chair: Dr. Smriti Basnett

Deputy Director, Future Earth South Asia Global Hub
Divecha Centre for Climate Change (DCCC)
Indian Institute of Science (IISc), Bangalore

Presenter 1: **Dr. Wut Hmone Oo, Lecturer, Department of Physics, Dawei University, Myanmar**

"Study and Analysis of Wind-Solar Hybrid Energy Resources in Coastal Area of Southern Myanmar"

Presenter 2: **Dr. Anindita Sarkar, Associate Professor, Department of Geography, University of Delhi, Delhi**

"Water Technology and Water Commercialization: Creating New Waterscapes and Contesting Cultural Norms"

Presenter 3: **Mr. Manjunath KV, Ph.D. Scholar, ICAR-National Dairy Research Institute, Karnal**

“Climate services for Murrah buffalo farmers: An effective adaptation strategy against Climate Change”

14:00-15:30

Parallel Session

Theme 4: Socio-technological Transitions and the Key Economic Sectors

Chair: Prof. Sachin Chaturvedi

Director General

Research and Information System for Developing Countries (RIS),
New Delhi

Presenter 1: Dr. Kenneth Barroga, Science Research Analyst, R&D for Development and Innovation Division, Department of Science and Technology, Philippines

“Level of Awareness of Smart Manufacturing Technologies and its Nexus to Adoption among Micro, Small, and Medium Enterprises in the Philippines”

Presenter 2: Dr. Myint Myint Kyi, Professor, Department of Management Studies, Yangon University of Economics, Myanmar

“E-Commerce Adoption and Competitive Advantage of Myanmar E-Commerce Firms and Online Shops”

Presenter 3: Dr. Pradeep Kumar Choudhury, Assistant Professor of Economics, Zakir Husain Centre for Educational Studies, School of Social Sciences, Jawaharlal Nehru University, New Delhi

“Analysing the Interface of Science, Technology and Social Science in the Context of Changing Labour Market in India”

Presenter 4: Dr. Priya Dahiya, Assistant Professor, Jesus and Mary College, University of Delhi, Delhi

“Emerging Technology in Retail Management”

Presenter 5: Dr. Manoj Vimal, ICSSR Postdoctoral Fellow, Giri Institute of Development Studies, Lucknow, UP

“Exploring Bio-Entrepreneurship in India”

Presenter 6: Dr. D. Anil Kumar Reddy, Ph.D. Research Scholar, ICAR-National Dairy Research Institute, Karnal, Haryana

“Can Dairy Farming in India be Transformed into a Climate Resilient enterprise????!! An Empirical Evidence”

15:30-16:00

BREAK

16:00-17:30

SCA Management Board Meeting (MBM)

SCA Management Board Members only

Day 2
Wednesday, 16th March 2022

Time Zone
(IST, UTC+0530)

Keynote Speech

10:00-10:20

Prof. K. VijayRaghavan
Principal Scientific Advisor
Government of India

"Science, Technology & Social Science Research"

10:25-10:45

Prof. KOTANI Motoko
Executive Vice President for Research,
Tohoku University, Japan
President-elect, International Science Council

"Advancement of Science and Technology for Sustainable and Resilient Society that ensures Human Well-being"

10:45-11:15

BREAK

11:15-13:00

Parallel Session

Theme 5: Social construct of scientific and technological developments

Chair: Prof. Gautam Sen

Distinguished Visiting Fellow, CLAWS
Adjunct Professor, National Institute of Advanced Studies
(NIAS), Bangalore

Presenter 1:

Prof. Jisoon Lee, Member, The National Academy of Sciences, Republic of Korea,

"On digital discriminations against the old in rapidly aging societies"

Presenter 2:

Dr. Nang Mya Han, Professor and Head, Marine Science Department (Rtd), Myeik University, Myanmar

"Conservation need for Whale Shark in Myanmar Coastal Areas"

Presenter 3:

Dr. Nishu Kumar, Assistant Professor, Department of Political Science, ChamanLal P.G. College, Landhura, Haridwar

"A Study on Social Construction Technology Perspective"

Presenter 4:

Dr. A.Somasundaram, Dept. of Mathematical Science, Govt. College for Men, Krishnagiri

11:15-13:00

Parallel Session

Theme 6: Role of science and technology and social science in the emerging research fields such as biomedical science, information science, and the natural sciences

Chair: Prof. SHIBUSAWA Sakae

Secretary General/Treasurer, SCA

Member, Science Council of Japan (SCJ)

Professor Emeritus, Tokyo University of Agriculture and Technology, Japan

Presenter 1: Dr. Shun Hosaka, Second Secretary (Agricultural Attache), The Embassy of Japan, New Delhi

"Japanese Government Policies about Introduction of Agriculture DX to Implement Sustainable Agriculture"

Presenter 2: Professor Sitakanta Mishra, Associate Professor, Pandit Deendayal Energy University, Gandhinagar, Gujarat

"Dealing with Social Acceptance of Nuclear Energy: Approach of the Indian Nuclear Establishment and Way Forward"

Presenter 3: Dr. Romen Kalita, Assistant Professor, Department of Economics, Dikhowmukh College, Sivasagar, Assam

"Use of Information and Communication Technologies (ICTs) in Agriculture Marketing- A study in Sivasagar District of Assam"

Presenter 4: Dr. Jigmet Stobdan, Assistant Professor, Department of Commerce, University of Ladakh, Ladakh

"Role of Organisational Capabilities in Innovation Performance: A conceptual Framework"

13:00-14:30

LUNCH BREAK & POSTER PRESENTATIONS

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14:00-15:30

Parallel Session

Theme 7: Frameworks, approaches, methods for science, technology and social science studies

Chair: Prof. Ramesh Chand

Member, NITI Aayog

Government of India, New Delhi

Presenter 1: **Prof. Olga D. Unay, Department of Mathematics, College of Science, University of Eastern Philippines,**

"Students' Difficulty in Mathematics in the Modern World (MMW): Basis for Modular Construction"

Presenter 2: **Dr. Aye Su Myat, Lecturer, Curriculum and Methodology Department, Yangon University of Education, Myanmar**

"Concept Attainment of Grade Eight Students in Geometry by Concept Attainment Model"

Presenter 3: **Prof. Bandana Pandey, Department of Mass communication & Media Studies, Gautam Buddha University, Greater Noida, UP**

"Evaluation of Science Communication in Social Media: A content analysis of Facebook pages"

Presenter 4: **Prof. Nimisha Shukla, Professor, Department of Rural Economics, Gujarat Vidyapith, Ahmedabad**

"A Unique Model for Application of Study in Science, Technology and Social Science Research: A Case Study of Gujarat Vidyapith"

14:00-15:30

Parallel Session

Theme 8: Social Science Paradigm with emerging Big data, Artificial Intelligence and Block-Chains

Chair: Prof. T.G. Sitharam

Director & Professor

Department of Civil Engineering

Indian Institute of Technology Guwahati

Presenter 1: **Prof. SATO Yoshimichi, Kyoto University of Advanced Science and Tohoku University, Japan**

"Mind the Gap between Sociology and Computational Social Science"

Presenter 2: **Dr. Swarnima Singh, Assistant Professor, Department of Geography, D.D.U. Gorakhpur University, Gorakhpur, UP**

"Big Data Application in Managing 13th Sustainable Development Goal: Climate and Climate Change Scenario Modeling"

Presenter 3: **Dr. Chandra Sekhar Patro, Assistant Professor, Department of Management Studies, Gayatri Vidya Parishad College of Engineering (A), Visakhapatnam**

"Application of Big Data Analytics and Organizational Performance"

Presenter 4: **Dr. Vikramjit Singh, Asst. Professor, St. Xavier's College of Education (Autonomous), Patna, Bihar**

"Emerging Era of Artificial Intelligence and Machine Learning Towards Better Learning Opportunities for the Young Aspiring Minds"

Presenter 5: **Mrs. R. Brintha, Ph.D. Research Scholar, Bharathidasan School of Management, Bharathidasan University, Tiruchirappalli, Tamilnadu**

"Role of Blockchain Technology in Cryptocurrency"

15:30-16:00 **BREAK**

16:00-17:00 **Closing Ceremony**

21st Science Council of Asia Conference Declaration

Prof. SHIBUSAWA Sakae

Secretary General/Treasurer, SCA

Presentation for the 22nd Science Council of Asia Conference

National Academy of Sciences, Republic of Korea

About Future Earth and Activities in Asia: Presentation by Hub Directors/Deputy Directors from China-Japan-South Asia-Taipei

Closing Remarks

Prof. V K Malhotra

Vice-President, SCA

Prof. Jang-Moo LEE

President, SCA

Day 3

Thursday, 17th March 2022

**Time Zone
(IST, UTC+0530)**

10:30-11:30 **Virtual Cultural Tour of Delhi**

POSTER PRESENTATION

(www.icssr-scac2022virtual.com)

Theme 1-Science, technology and public policy in larger social, historical and ethical contexts

S No	Presenter	Title
1.	Mr. Vishnu Achutha Menon Research Scholar Department of Media & Communication, School of Communication, Central University of Tamil Nadu, Tamil Nadu	Acceptance and Use of Technology among Kathakali Artists during COVID - 19 Pandemic
2.	Dr. Shivansh Kumar Assistant Professor Sardar Patel Centre for National Integration, Dr. Rammanohar Lohia Avadh University, Ayodhya (U.P)	Science and Technology in shaping India's Public Policy
3.	Ms. Sangita Dey Ph.D Scholar NIEPA New Delhi	Restructuring of Public Policy Implementation through digitalization

Theme 2-Science, technology and society for SDGs

S No	Presenter	Title
1.	Dr. Marieta Bañez Sumagaysay National Research Council of the Philippines. University of the Philippines Visayas Tacloban College	Towards SDG 5: Surfacing the Gender Dimension in S&T
2.	Mr. Michael Earl B. Castroverde, MMBM Instructor University of the Philippines Visayas Tacloban College	Adjusted Sustainability Value: An Activity-Based Costing System for Measuring Environmental Impact of the Modified SROI
3.	Dr. Birendra Suna Associate Professor, Department of Sociology, School of Tribal Legal Studies and Tribal Rights, Kalinga Institute of Social Sciences (KISS) Bhubaneswar, Odisha	Society, Technology, Sentiment and Development: A Sociological Analysis of Sustainable Development Goals
4.	Dr. Malavika Sharma P.C.E., University of Mumbai	Reexamining 'AI Utopianism' with respect to the United Nations' Sustainable Development Goals Agenda 2030
5.	Dr. Tejasvini Paralkar Assistant Professor Department of Management Studies(MBA), G. H. Raisoni Institute of Engineering & Technology, Nagpur.	Science, Technology; Innovation for Sustainable Urbanization.

POSTER PRESENTATION

Theme 3-Socio-technological transformation and Future Earth: theories and applications

S No	Presenter	Title
1.	Dr. Marilyn V. Medina University of the Philippines Philippines	Assessment of Flood Hazard Mapping (FHM) Project in San Juan River Basin, Manila, Philippines
2.	Dr. Wifredo I. Jose Lecturer, Environmental Engineering Program University of the Philippines Philippines	Introducing Residuals Engineering: A New Approach to Thinking and Dealing about Wastes

Theme 4-Socio-technological transitions and the key economic sectors

S No	Presenter	Title
1.	Dr. L. Leonard Research Associate International School of Business & Research (ISBR), Bangalore, Karnataka	Semiconductors, the Biggest Economic Choke point of the 21 st Century
2.	Mrs. Garima Tahiliani Assistant Professor St. Vincent Pallotti College, Raipur	A Study on Socio-Economic technological transition of E-Commerce industry in India.
3.	Dr. Seepana Prakasam Associate Professor of Economics Former Chair Professor (MEA Govt of India) Post -Doctorate of ICSSR, New Delhi Chandigarh	A. Science and Technology for Sustainable Agriculture in India
4.	Ms. Ranjani Kalyan Scholar	Hydrogen Economy
5.	Mr. Nishit Anand Student (4th Year) KIIT School of Law, Bhubaneswar	The Crypto Enigmas : Legal Conundrums vis-à-vis Concerted Outlook
6.	Ms. Pangjungkala Longchar Mittal School of Business, Lovely Professional University, Phagwara, Punjab	How Insta is Instagram for Women Entrepreneurs? A Case of India

POSTER PRESENTATION

Theme 5-Social construct of scientific and technological developments

S No	Presenter	Title
1.	Mr. Shian A. Morillos Instructor College of Criminal Justice and Sciences Northwest Samar State University Philippines	Impact of Bagacay Mines on Heavy Metals Accumulation and Associated Health Risk of Fishes from Taft River, Philippines
2.	Mr. Deepak Kumar Research Scholar Jawaharlal Nehru University New Delhi	India's Smart Cities Mission (SCM),
3.	Dr. Deepmala Baghel Assistant Professor Dept. of Basic Sciences (Humanities) Indian Institute of Information Technology Nagpur	Social Context of Technological Innovation in MSMEs: A Case of Networking and Social Capital of Ayurvedic Manufacturing MSMEs in Mumbai
4.	Dr. Arpita Mitra Associate Professor KIIT School of Law Bhubaneswar	Social Construction of Technology in Smart Policing: An Exploration in the Smart Cities of Kolkata and Bhubaneswar
5.	Ms. Krishna Tripathi Ph.D. Scholar Centre for Studies in Science Policy Jawaharlal Nehru University New Delhi	Challenges and opportunities of sustainable energy storage technologies for electric vehicles in the era of NDCs: A case of e-mobility in Delhi

POSTER PRESENTATION

Theme 6-Role of science and technology and social science in the emerging research fields such as biomedical science, information science, and the natural sciences

S No	Presenter	Title
1.	Dr. Angelo Mark P. Walag Faculty, Department of Science Education University of Science and Technology of Southern Philippines, Philippines	What Factors do Affect Parent's Decision to Vaccinate their Adolescents? A Case of Local National High School in the Philippines
2.	Dr. Aira B. Dacasin Department of Biochemistry Faculty of Pharmacy University of Santo Tomas Manila, Philippines	Evaluation of Ipil-ipil (<i>Leucaena leucocephala</i>) Seed Gum as Co-Encapsulating Agent for Powdered Insulin Plant (<i>Chamaecostus cuspidatus</i>)
3.	Dr. Sakae Shibusawa Prof. Emeritus Tokyo University of Agriculture and Technology, Tokyo	Systems Approach to Agromedical Food in Collaboration with Agriculture and Medicine
4.	Ms. Jenia Kakchingtabam Research scholar Jawaharlal Nehru University, New-Delhi	Reproductive Technology and Human Aspiration: An Analysis of the Issue of Infertility in Biomedical Ethics.
5.	Ms. Shayista Majeed Doctoral researcher, Department of Commerce University of Kashmir	Indian Researchers' Behavioral Intention in the adoption of Digital Libraries: An Empirical study
6.	Mr. Amitava Panja Ph.D. Scholar Department of Dairy Extension, National Dairy Research Institute Karnal, Haryana,	Role-performance of Agricultural Input Dealers in Agro-advisory Services in West Bengal
7.	Mr. Killivalavan J ICSSR Doctoral Research Fellow Department of Geography Bharathidasan University Tiruchirappalli	Index Based Assessment of Groundwater Pollution And Its Impacts in Cheyyar Watershed, Tamil Nadu
8.	Ms. Akankhya Panigrahi M. Phil Scholar Department of Sociology University of Hyderabad	Unpacking the Digital Turn in Educational Policy: A Study of Online Education and Inequality in the Context of the Pandemic
9.	Mr. Vijay Kumar Research Fellow Centre for Studies of Economics and Planning Central University of Gujarat Gandhinagar	Impact of Digital Technology on Higher Education During Covid-19 Pandemic
10.	Prof. Thinn Myat Nwe Professor, Chemistry Department Mandalay University Ministry of Education, Myanmar	Supervisor-Supervisee Relationship (SSR) of Chemistry Specializations at Myanmar Arts and Science Universities

POSTER PRESENTATION

Theme 7-Frameworks, approaches, methods for science, technology and social science studies

S No	Presenter	Title
1.	Mr. S. R. Devegowda Research Scholar Department of Agricultural Economics, Banaras Hindu University, Varanasi	Impact of Climate Resilient Technologies on Crop Production in the Eastern Plain Zone of Uttar Pradesh
2.	Dr. A. Ilanthirayan Assistant Professor, Geography Govt Arts College(A), Salem Tamilnadu	Role of Remote Sensing & GIS Technology in Social Sciences Research: Application of Geographical Studies
3.	Dr. Sanjit Maiti Senior Scientist, Veterinary Extension Education, Fulbright-Kalam Climate Fellow ICAR-National Dairy Research Institute Karnal, Haryana	Whether Climate Change a “BOON” or “BANE” for the Himalayan Transhumance Pastoralism???
4.	Ms. Munmi Barman Research Scholar Department of Education Assam University , Silchar	Collaborative Video-Based Instruction Improves Cognitive Development of Children with Moderate Intellectual Disability: A Review of Literature

Theme 8-Social Science Paradigm with emerging Big data, Artificial Intelligence and Block-Chains

S No	Presenter	Title
1.	Dr. Asha Sharma Assistant Professor Department of Accountancy & Business Statistic, Mohanlal Shukhadia University Udaipur Rajasthan,	Application of Blockchain Technology in Fraud Prevention in Accounting Profession
2.	Mr. Dave Viranch N ICCSR Doctoral Fellow, Department of Geography, The Maharaja Sayajirao University of Baroda, Vadodara, Gujarat	Developing Web based Tourism Information System using GIS for Banswara district, Rajasthan, India.
3.	Dr. Ashwini Ramesh ICSSR Post-Doctoral Fellow Bengaluru City University, Central College Campus, Dr Ambedkar Road, Bengaluru, Karnataka	Algorithmic Analysis on Twitter data for Political Communication: A Systematic Review
4.	Ms. Shaista Anayat Research Scholar, Central University of Jammu Jammu	Impact of Artificial Intelligence on Consumer Behavior: A Paradigm Shift in Applied Social Sciences
5.	Dr. Chumki Biswas T.S.E.C, University of Mumbai	An Integrated Machine Learning and Blockchain Model to Align Academic and Professional Trajectories for all Types of Learners
6.	Mr. Biswajit Sarkar Research Scholar, University of Calcutta West Bengal	WhatsApp as emergency Remote Teaching Platform during the COVID-19 Pandemic: An Exploratory Approach