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Ministry of Earth Sciences
Government of India



Seventh WMO International Workshop on Monsoons (IWM-7) 22-26 March 2022, New Delhi, India

TECHNICAL SESSION: INVITED PRESENTATIONS

Day 5: 26 March, 2022 (Saturday)

Time: 0830-0950 IST (0300-0420 UTC) (80 Minutes)

SESSION - 26S1

CHAIR: Dr YUKARI TAKAYABU

(Each Talk : 15 minutes for presentation and 4 minutes for discussion+ 1 minute extra)

Sr. No.	ID No.	Name	Affiliation	Theme	Title
1	37	DEV NIYOGI	UTEXAS, USA	FIELD EXPERIMENTS AND OBSERVATIONAL CAMPAIGNS	LAND PROCESSES AND FEEDBACKS WITHIN NWP AND EARTH SYSTEM MODELS: HUMAN DOMINATED LANDSCAPES, AND THE ROLE OF AI/ML, DIGITAL TWINS, FOR SENSING THE UNSENSED
2	29	YUKARI TAKAYABU	U TOKYO, JAPAN	FIELD EXPERIMENTS AND OBSERVATIONAL CAMPAIGNS	WARM SEASON HEAVY PRECIPITATION OBSERVED FROM SATELLITE EARTH OBSERVATIONS
3	33	HATSUKI FUJINAMI	INSTITUTE FOR SPACE-EARTH ENVIRONMENTAL RESEARCH, NAGOYA UNIVERSITY, JAPAN	HIGH IMPACT MONSOON WEATHER	PRECIPITATION AND ITS VARIABILITY IN THE HIGH ELEVATION AREA OF THE NEPAL HIMALAYAS
4	10	CHIDONG ZHANG	NOAA, USA/PMEL	FIELD EXPERIMENTS AND OBSERVATIONAL CAMPAIGNS	AIR-SEA TRANSITION ZONE IN THE CONTEXT OF MONSOONS

BREAK 15 minutes



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TECHNICAL SESSION: ORAL PRESENTATIONS

Day 5: 26 March, 2022 (Saturday)

Time: 1005-1130 IST (0430-0550 UTC) (85 Minutes)

SESSION : 26S2A : Hall 1 (Parallel Session)

SESSION COORDINATOR: DR. A.K SAHAI

(Each Talk : 10 minutes for presentation and 2 minutes for discussion + 1 minutes extra)

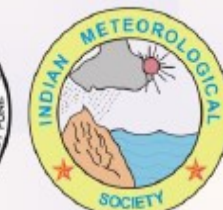
Sr. No.	ID No.	Theme	Name	Title
1	1	CLIMATE CHANGE AND MONSOONS	SUNITHA PILLI	INDIAN SUMMER MONSOON ONSET - ROLE OF UPPER AIR CIRCULATIONS
2	2	CLIMATE CHANGE AND MONSOONS	DR. RAMESH KUMAR YADAV	RELATIONSHIP BETWEEN AZORES HIGH AND INDIAN SUMMER MONSOON
3	3	CLIMATE CHANGE AND MONSOONS	VARUNESH CHANDRA	DECLINE IN INDIAN SUMMER MONSOON SYNOPTIC ACTIVITY IN RESPONSE TO THE ARCTIC AND ANTARCTIC SEA ICE MELT
4	5	CLIMATE CHANGE AND MONSOONS	HIROKAZU ENDO	DIFFERENT FUTURE CHANGES BETWEEN EARLY AND LATE SUMMER MONSOON PRECIPITATION IN EAST ASIA
5	6	CLIMATE CHANGE AND MONSOONS	DR SUSMITHA JOSEPH	CHANGING CHARACTERISTICS OF MONSOON INTRASEASONAL OSCILLATIONS IN A WARMING CLIMATE
6	7	CLIMATE CHANGE AND MONSOONS	P. PARTH SARTHI	EVALUATION OF INDIAN SUMMER MONSOON IN SIMULATION OF CMIPS EXPERIMENT

BREAK 15 minutes



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Day 5: 26 March, 2022 (Saturday)

Time: 1005-1130 IST (0430-0550 UTC) (80 Minutes) Hall 2

SESSION : 26S2B : Hall 2 (Parallel Session)

SESSION COORDINATOR: DR. MUNMUN DAS GUPTA, NCMRWF

(Each Talk : 10 minutes for presentation and 2 minutes for discussion + 1 minutes Extra)

Sr. No.	ID No.	Theme	Name	Title
1	18	CLIMATE CHANGE AND MONSOONS	JASTI S CHOWDARY	INDIAN SUMMER MONSOON VARIABILITY: EL NIÑO-TELECONNECTIONS AND BEYOND
2	20	CLIMATE CHANGE AND MONSOONS	MOHAMMED CASSIM SANNAN	A CLIMATE CHANGE PERSPECTIVE OF EVOLUTION OF NORTHEAST MONSOON AND ITS GLOBAL TELECONNECTIONS OVER THE SOUTH PENINSULAR INDIA REGION
3	25	CLIMATE CHANGE AND MONSOONS	KYUNG-JA HA	CLIMATE EXTREMES IN THE HYDROCLIMATE CHANGE
4	52	HIGH IMPACT MONSOON WEATHER	MADHUSMITA SWAIN	URBAN MODIFICATION OF HEAVY RAINFALL: A MODEL CASE STUDY FOR BHUBANESWAR URBAN REGION
5	53	HIGH IMPACT MONSOON WEATHER	KAUSTAV CHAKRAVARTY	MONSOON OVER MUMBAI - THE CONTRASTING BEHAVIOUR OF THE CLOUDS AND PRECIPITATION DURING THE INTER-SEASONAL, INTRA-SEASONAL AND HEAVY RAINFALL PHASES OF SOUTH-WEST MONSOON
6	54	HIGH IMPACT MONSOON WEATHER	DR. P.V.S RAJU	SIMULATION OF EXTREME DROUGHT FEATURES OF INDIAN SUMMER MONSOON: PERFORMANCE WITH TWO LAND SURFACE SCHEMES

BREAK 15 minutes



TECHNICAL SESSION: SHORT ORAL CUM E-POSTER PRESENTATIONS

Day 5: 26 March, 2022 (Saturday)
Time: 1145-1300 IST (0615-0730 UTC) (75 Minutes)
SESSION : 26SP : (Short Oral Cum Poster Session)

Session Coordinator : Dr. A. K. Das, IMD NWP
(Each Talk : 2and ½ minutes.)

Sr. No.	ID No.	Theme	Name	Title
1	100	REGIONAL MONSOONS	DR. HRUDYA P. H.	CHANGES IN THE RELATIONSHIP BETWEEN EL NIÑO SOUTHERN OSCILLATION AND INDIAN SUMMER MONSOON RAINFALL FROM EARLY TO RECENT DECADES DURING DIFFERENT PHASES OF MONSOON
2	105	REGIONAL MONSOONS	RESHMA T	TRENDS AND VARIABILITIES OF INDIAN SUMMER MONSOON RAINFALL IN DIFFERENT INTENSITY BINS OVER WEST COAST AND MONSOON CORE ZONE
3	107	REGIONAL MONSOONS	UTKARSH VERMA	REVISITING CLIMATOLOGICAL DIURNAL CYCLE OF PRECIPITATION OVER INDIAN SUBCONTINENT USING LATEST IMERG DATA
4	108	REGIONAL MONSOONS	GOPIKA VENUGOPAL C	DYNAMIC AND THERMODYNAMIC STRUCTURE OF ATMOSPHERE ASSOCIATED WITH EXTREME RAINFALL EVENTS OVER KERALA DURING AUGUST 2019
5	113	REGIONAL MONSOONS	DR. AMIT BHARDWAJ	SECULAR TRENDS IN THE LENGTH OF THE SEASONS OF INDIA AND ITS TELECONNECTIONS

6	115	REGIONAL MONSOONS	KRISHNA MISHRA	COMPARATIVE ANALYSIS OF 2013-2021 SOUTHWEST MONSOON ADVANCE OVER INDIA
7	121	REGIONAL MONSOONS	ARIJEET DUTTA	AMO-EURASIAN TELECONNECTION AND ITS RELATIONSHIP WITH INDIAN SUMMER MONSOON
8	123	REGIONAL MONSOONS	MANISH K. JOSHI	TELECONNECTION BETWEEN ATLANTIC MULTIDECADAL OSCILLATION AND INDIAN SUMMER MONSOON RAINFALL
9	125	REGIONAL MONSOONS	SHIBIN BALAKRISHNAN	INVESTIGATION OF EXTREMELY HEAVY RAINFALL EPISODES OVER TAMILNADU DURING NORTHEAST MONSOONS OF 2015 AND 2021
10	133	SUB-SEASONAL TO SEASONAL (S2S) PREDICTIONS	LEKSHMI S	EXTENDED RANGE PREDICTION OF MADDEN-JULIAN OSCILLATION (MJO) USING IITM CFS V2 AND THE ROLE OF INITIAL ERROR ON THE PREDICTION SKILL
11	136	SUB-SEASONAL TO SEASONAL (S2S) PREDICTIONS	TIRUMANI SIVA SAIKRISHNA	IMPACT OF SPECTRAL NUDGING IN THE SIMULATION OF SUMMER MONSOON RAINFALL OVER INDIA
12	137	SUB-SEASONAL TO SEASONAL (S2S) PREDICTIONS	MAHESH KALSHETTI	THE SKILL OF SUBSEASONAL TO SEASONAL FORECAST MODELS IN PREDICTING THE EDDY FORCING ASSOCIATED WITH EXTRATROPICAL-TROPICAL INTERACTION
13	138	SUB-SEASONAL TO SEASONAL (S2S) PREDICTIONS	PRATIBHA GAUTAM	ROLE OF LAND SURFACE FEEDBACK PROCESSES AND PREDICTION SKILL IN THE S2S SCALE DURING MONSOON ONSET IN A COUPLED MODEL FRAMEWORK
14	143	SUB-SEASONAL TO SEASONAL (S2S) PREDICTIONS	DEVABRAT SHARMA	LONG-LEAD PREDICTION AND PREDICTABILITY OF THE INDIAN SUMMER MONSOON RAINFALL
15	146	SUB-SEASONAL TO SEASONAL (S2S) PREDICTIONS	VIBHUTE AMOL SURESH	CHANGES IN ASIAN JET MERIDIONAL DISPLACEMENT AND ITS INFLUENCE ON INDIAN SUMMER MONSOON RAINFALL IN OBSERVATIONS AND CFSV2 HINDCAST
16	147	SUB-SEASONAL TO SEASONAL (S2S) PREDICTIONS	DARSHANA D PATEKAR	SUB-SEASONAL VARIABILITY OF THE INDIAN SUMMER MONSOON RAINFALL 2020 IN OBSERVATION AND CFSV2 HINDCASTS

17	149	HYDROLOGICAL APPLICATIONS OF MONSOON	ASHOK RAJA	PERFORMANCE OF FLASH FLOOD GUIDANCE SYSTEM OVER WEST COAST OF INDIA DURING TROPICAL CYCLONE TAUKTAE
18	106	REGIONAL MONSOONS	REJI MARIYA JOY	MERIDIONAL GRADIENT OF SEA SURFACE TEMPERATURE OVER THE BAY OF BENGAL AND ITS ASSOCIATION WITH SUMMER MONSOON RAINFALL IN THE INDIAN SUBCONTINENT
19	124	REGIONAL MONSOONS	ARCHANA SAGALGILE	CHARACTERISTICS FEATURES OF LOW-LEVEL JET (LLJ) IN ERA5 AND IMDAA DURING INDIAN SUMMER MONSOON IN SATELLITE ERA
20	129	SUB-SEASONAL TO SEASONAL (S2S) PREDICTIONS	AVINASH PAUL	PREDICTION OF RAINFALL OVER KERALA USING DEEP NEURAL NETWORK
21	110	REGIONAL MONSOONS	KÃfÂ©NEDYSILV ÃfÂ©RIO	SOUTHERN AFRICAN MONSOON: INTRASEASONAL VARIABILITY AND MONSOON INDICES
22	84	MONSOON INFORMATION AND PREDICTION FOR SOCIETAL BENEFIT	YAJNASENI DASH	ROLE OF MACHINE LEARNING FOR INDIAN MONSOON PREDICTION



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TECHNICAL SESSION: INVITED PRESENTATIONS

Day 5: 26 March, 2022 (Saturday)

Time: 1800-1920 IST (1230-1340 UTC) (80 Minutes)

SESSION - 26S3

CHAIR: Dr. M. MOHAPATRA

(Each Talk : 15 minutes for presentation and 4 minutes for discussion + 1 minute extra)

Sr. No	ID No	Name	Affiliation	Theme	Title
1	24	SULOCHANA GADGIL	IISC, INDIA	MONSOON INFORMATION AND PREDICTION FOR SOCIETAL BENEFIT	ECONOMIC AND SOCIETAL IMPACTS OF THE INDIAN SUMMER MONSOON
2	22	ROHINTON EMMANUEL	GLASGOW CALEDONIAN UNI., U.K.	NEW TECHNOLOGIES AND TOOLS	THE INCREASING OVERHEATING PROBLEM IN URBAN SOUTH ASIA: MITIGATION OPTIONS
3	30	U. C. MOHANTY	IIT BHUBANESWAR, INDIA	MODELLING MONSOON PROCESSES	ROLE OF LAND SURFACE PROCESSES ON INDIAN SUMMER MONSOON RAINFALL: UNDERSTANDING AND IMPACT ASSESSMENT
4	34	NACHIKETA ACHARYA	THE PENNSYLVANIA STATE UNIVERSITY, USA.	NEW TECHNOLOGIES AND TOOLS	A MACHINE LEARNING APPROACH FOR PROBABILISTIC MULTI-MODEL ENSEMBLE PREDICTIONS OF INDIAN SUMMER MONSOON RAINFALL

10 Minutes Break

SESSION - 26S4

Valedictory Function

1930-2045 IST :1400-1515 UTC (75 Minutes)

END OF WORKSHOP