

A Report from Indian Meteorological Society and its Local Chapters (April to September 2020)

1. The World Environment Day: Virtual Event

During the current Covid-19 pandemic, the World Environment Day was celebrated by IMS by organising its first Webinar on 5th June 2020 using the U-tube. Dr. M. N. Rajeevan, Secretary, MoES was invited to grace the occasion by delivering his lecture on the thematic topic "COVID-19 and Meteorology". In this event, to start with Dr. D. R. Pattanaik, IMS Secretary welcomed the distinguished speaker and all the participants to this first ever virtual event of IMS. He further gave a brief introduction of this Day which has been celebrated every year on 5th June. He stated as per WMO, that this year's theme is Biodiversity.

Dr. S. K. Dash, IMS President also welcomed Dr. Rajeevan and all the participants. To begin with he wished all present in this event a very Happy World Environment Day. He stated that for the last 4 months or more the world is facing the challenge of Covid19 which has not only taken away innumerable lives the world over but also nearly destroyed the world economy. He stated that if a single virus could spread so rapidly and affect our globe so much in a short span of time, one can imagine the effect of climate change though on a longer time scale. The impact would be most probably much stronger. Although exact cause of Covid19 is being debated across the country, emergence of the Corona Virus is not completely unrelated to the climate and biodiversity crises we are experiencing. Humankind is destroying natural environments at an accelerating rate. Due to large scale deforestation and vanishing of wetlands, human populations are often in precarious health, in contact with new pathogens. There are examples of Ebola and severe acute respiratory syndrome (SARS) with us. Some scientists believe that the countrywide lock down in India and elsewhere and the likely delay in resumption of full industrial operation provide rare opportunity to scientists to collect environmental and weather data which otherwise could not have been obtained.

Dr. Dash thanked Dr. Rajeevan for accepting the invitation of IMS to speak on this occasion in spite of his busy schedule. He told that Dr. Rajeevan needs no introduction to this gathering. He is a meteorologist par excellence with several seminal papers and laurels are to his credit. Being the Secretary to the Government of India, Dr. Rajeevan also in the know of important activities related to Covid19. He assured the participants that the presentation of Dr. Rajeevan will be of utmost interest to all. He requested the participants to put questions under the chat option so as to discuss those at the end of the presentation of Dr. Rajeevan.

Dr. Rajeevan essentially focused his talk on the two aspects of (a) Changes in the environment due to Covid-19 lockdown and the (b) The impact of lockdown on meteorological observations and forecasts. Due to the spread of Covid-19, all countries implemented total or partial lockdown spanning many days to months. India also experienced lockdowns in four phases from March 24th to May 31st, 2020. In his presentation, Dr. Rajeevan showed the impacts of lockdown on Earth's environment. He narrated that government policies during the lockdowns drastically altered patterns of energy demand around the world. Many international borders were closed and transport reduced drastically and also consumption patterns changed. Daily global CO₂ emissions decreased by -17% (-11 to -25% for $\pm 1\sigma$) by early April 2020 compared with the mean 2019 levels. At their peak, emissions in individual countries decreased by -26% on an average.

In India too, the major pollutants such as PM₁₀, PM_{2.5} etc showed decreasing trends during March 21-April 20, 2020. Lockdown had an impact on meteorological observations also. Aircraft observations as well as conventional observations reduced. However, there was no serious impact on quality and accuracy of forecasts. According to Dr. Rajeevan, the lockdown experience gives us the message that India should have all meteorological observations automated, but reliable. He suggested

the implementation of work from home concept more frequently and widely so as to reduce air pollution. Dr. Rajeevan also mentioned about the need to adapt to new life style, respecting our mother nature so that we will not face the devastating situation such as the current pandemic in future.

At the end of the presentation of Dr. Rajeevan, Dr. S. K. Dash moderated the discussion based on the questions posted on the Chat. Dr. D. R. Pattanaik helped Dr. S. K. Dash in coordinating the questions from the U-tube. Finally, Dr. D. R. Pattanaik thanked Dr. Rajeevan for his excellent presentation and all the participants for making this first Virtual Event of IMS a success.

2. IMS Annual General Body Meeting held on 10-07-2020

The Annual GB meeting of IMS was held on 10th July 2020 with the main purpose of declaring the results of election to IMS National Council (NC) 2020-22 and handing over charge to the new NC. The activities report of IMS was presented by Dr. D. R. Pattanaik, Secretary IMS. He thanked all IMS NC colleagues, Executive Committees of Local Chapters, Fellows of IMS and all life members of IMS for providing full support in making the tenure of outgoing IMS NC a very successful one with many new initiatives and activities undertaken during the period.

Dr. G. Suresh, the Returning Officer announced the results of IMS NC election for the period 2020-22, which was conducted through complete online voting for the first time. The new NC of IMS for the period 2020-22 will be as follows:

On this occasion, Prof. S. K. Dash the outgoing IMS President welcomed the newly elected President Dr. M. Mohapatra and other members of incoming IMS NC and wished them all the best for the next two years. He also thanked the returning officer Dr. G. Suresh for very successful conduct of IMS election through online voting in the prevailing pandemic of COVID-19.

After assuming the charge of IMS President, Dr. M. Mohapatra thanked the outgoing president Prof. S.

K. Dash and the outgoing IMS NC for all the activities in the last two years and for bringing IMS to the forefront internationally.

NATIONAL COUNCIL (2020-2022)

President

Dr. M. Mohapatra

Immediate Past President

Prof. Sushil Kumar Dash

Vice- Presidents

Dr. Atul Kumar Sahai
Sh. Anand Kumar Sharma

Secretary

Dr. D. R. Pattanaik

Jt. Secretary

Dr. S. I. Laskar

Treasurer

Dr. Ananda Kumar Das

Council Members

Ms. Samanti Sarkar
Prof. P. V. S. Raju
Dr. R. K. Giri
Mr. Sanjay Bist
Sh. Sikandar M. Jamadar
Dr. Satyendra M. Bhandari
Dr. Ranjeet Singh
Dr. K. Satheesan

On this occasion, the Report of the Brain Storming Workshop on Climate Services and VayuMandal 45(2) were also released.





Release of Climate Services Brain Storming Workshop Report on 10-07-2020.



Release of VayuMandal 45(2) July-Dec 2019 on 10-07-2020.



Outgoing President handing over charge to Incoming President.

3. IMS Ahmedabad (IMS) Chapter

The new Executive Committee (EC) of IMSA took over the charges on 7th May, 2020 amidst the

Covid-19 situation. The prevailing pandemic situation restricted the members to conduct the election online and also organise the handing over event on online platform.

An **online panel discussion** was held on May 24, 2020 on the Amphan cyclone. The panel consisted of eminent experts in the related fields. The discussion focused on the scientific aspects of the formation and forecast of Amphan and was enjoyed by all present.

The **World Environment Day** was celebrated on June 5, 2020 by organizing an online Webinar jointly by IMSA and Indian Society of Remote Sensing-Ahmedabad Chapter (ISRS-AC). Prof. Amit Garg from IIM-Ahmedabad delivered a talk on “Time for Rejuvenating Climate Actions to Save Environment”.

The **World Ocean Day** was celebrated on June 14 (instead of June 08), 2020 jointly with ISRS-AC and Indian Society of Geomatics – Ahmedabad Chapter (ISG-AC) by organizing an online lecture on “Marine Ecosystem: Opportunities and Challenges with Remote Sensing” by Dr. Meena Kumari, Ex-Chairperson, National Biodiversity Authority of India.

Apart from spreading awareness of meteorology and allied fields in the society, IMSA is also engaged in recognizing and boosting the talents of young researchers. Keeping that in mind, IMSA along with ISRS-AC and ISG-AC organized an **online webinar on “Do forests attract rain?”** by Mr. Rohit Pradhan, a young enthusiastic scientist of SAC/ISRO on July 18, 2020.

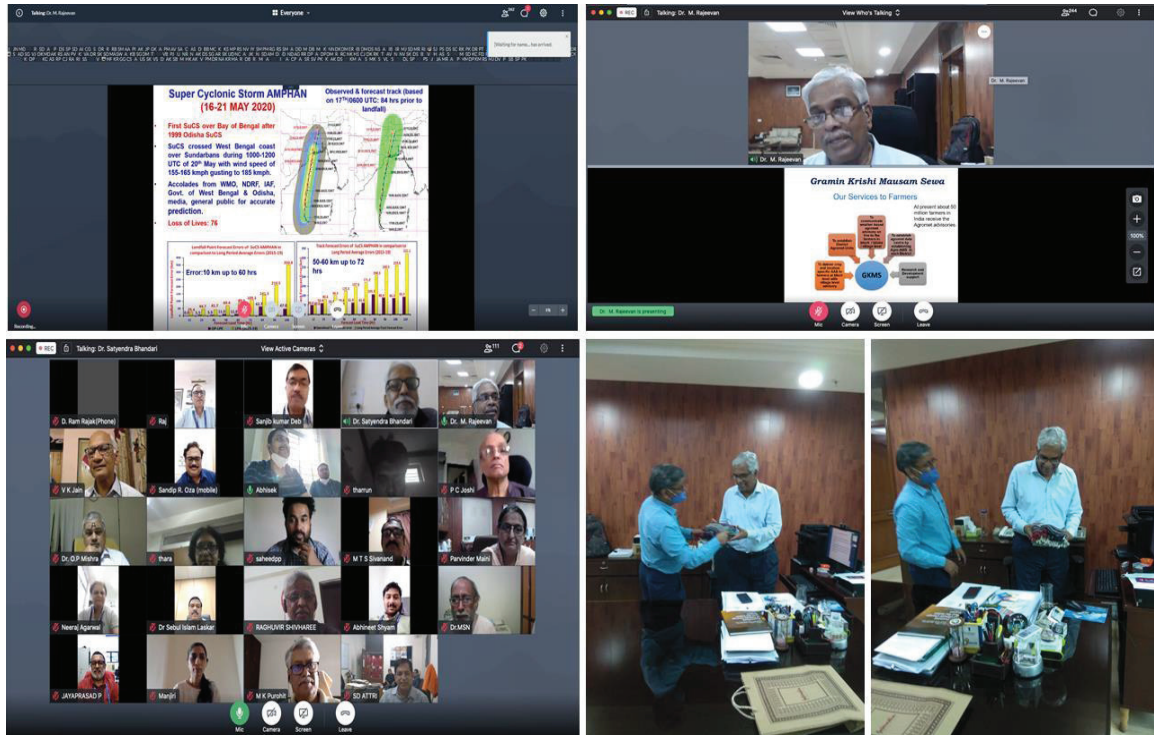
The **Annual General Body Meeting (AGBM)** for the period 2019-2020 was held on August 1, 2020 through online mode. The Secretary’s report and IMSA balance sheet for the FY 2019-2020 were passed through voice-votes.

IMSA is also committed in disseminating the knowledge from interested veterans of our related fields. In this regard, ISRS-AC jointly with ISG-AC organized an **online lecture on “New approaches for improving ocean colour retrieval”** by Dr.


D.R.M. Samudraiah, Ex-Deputy Director, Sensor Development Area, SAC/ISRO on August 2, 2020.

National Remote Sensing (NRS) Day was celebrated on 12th August to mark the birthday of Dr. Vikram Sarabhai, the founding father of Indian space programme. This year IMSA, ISRS-AC and

ISG-AC jointly celebrated NRS day on August 15, 2020 (actual NRS Day was preoccupied) by organizing an online lecture on “Environment Watch from Space: Exploring Impacts of COVID-19 Lockdown on Environment” by Dr. Mehul R. Pandya, Scientist – SAC/ISRO.




Snapshots of online 11th Prof. Satish Dhawan Lecture delivered by Dr. M.N. Rajeevan, Secretary MoES.



Indian Meteorological Society – Ahmedabad Chapter (IMSA)

IMSA is pleased to announce a photography competition for

- ✓ School students (Class-VIII onwards)
- ✓ College students (any stream/branch/year)
- ✓ IMSA members



Photography Contest

Theme

Monsoon Through Camera

Rules of the contest:

- ✓ There is no entry fee.
- ✓ Only one entry per person is allowed.
- ✓ Submitted photographs must be taken in Ahmedabad only during Monsoon of 2020 and should be the photographer's own work.
- ✓ The content of the image must not be altered using any image processing. **Images should be Geotagged.**
- ✓ Along with photograph, image properties (Date/Time/Geo-tag location) should be submitted.
- ✓ File size should not be more than 10 MB.
- ✓ **Submission deadline is August 31, 2020.**
- ✓ Winners will be intimated through their e-mail and phone by September 15, 2020.
- ✓ Awards will be distributed to winners in future IMSA event.
- ✓ Entries should be submitted as attachments to an email to imsa.sec@gmail.com. In the email subject line, please mention "Monsoon through Camera"
- ✓ While emailing your entry, please include following details in the body of your email: Your full name, Category (Student <Class>, IMSA member <membership number>), email address, Mobile number)
- ✓ **Decision of the evaluation committee will be final.**
- ✓ For any query please contact: 079-26916046.

About Indian Meteorological Society (IMS)

IMS formed in 1957, is a nonprofit, professional society, with its HQ in New Delhi. It has more than 3,000 life members from several research institutes, universities, user agencies, NGOs, industry and students. The main objectives of the society are:

1. Advancement of meteorological and allied sciences,
2. Dissemination of the knowledge of such sciences to the scientific community as well as the general public,
3. Applications of meteorology & allied sciences to various constructive human activities such as agriculture, land uses, irrigation, power management, navigation of sea and air, engineering and technology, medicine and public health etc. The society publishes scientific journal 'Vayumandal'. For more details please visit <http://www.imsa.net.in>

Save Earth, Save Water, Save Environment!

(Photographs should be submitted to: imsa.sec@gmail.com)

Leaflet for IMSA Monsoon Photography contest – 2020.

In maintaining the antecedents and traditions of IMSA, its new EC organized the **11th Prof. Satish Dhawan Lecture** on August 19, 2020. Dr. M. N. Rajeevan, honorable Secretary – Ministry of Earth Sciences (MoES) was kind enough to deliver this prestigious lecture in online mode. More than 300 scientists and researchers from IMSA, IMS-National Council, IMD, IITM and MoES attended the lecture.

Like previous years, this year too IMSA organized **Monsoon Photography Contest** (“Monsoon through Camera”) for the school and college students as well as for the IMSA members. The contest received a huge number of participation in different categories.

Following the tradition, IMSA celebrated the **World Ozone Day** on September 16, 2020 by organizing an online webinar on “Ozone layer and ozone pollution: Issues, challenges and future ahead” by Dr. Manish Naja, Chairman Atmospheric Science Division, Aryabhata Research Institute of Observational Sciences (ARIES), Nainital. This Webinar was jointly organized with ISRS-AC and ISG-AC.

For the first time, this year IMSA jointly with ISRS-AC and ISG-AC, celebrated the **World Rivers Day** on September 27, 2020 by organizing an online talk on “Search of the Vedic Saraswati River” by Dr. R. P. Singh, Head – Land Hydrology Division, SAC, ISRO. On this occasion, Chairman IMSA declared the results of Monsoon Photography Contest-2020.

4. IMS Dehradun (IMSD) Chapter

4.1 IMSD Chapter Election (June 25, 2020)

The General Body Meeting (GBM) and election for the new Executive Council 2020-22 was organized on June 25, 2020 at IIRS Dehradun. Dr. Debashis Mitra, Group Head Marine and Atmospheric Science Department, Indian Institute of Remote sensing, Dehradun was designated as Returning Officer, IMD-DC Election 2020-2022. The GBM and election was conducted via both physical and online modes. Mr. Bikram Singh, Director IMD Dehradun was elected as Chairman IMS-DC. Dr.

Kshama Gupta, Scientist SF, IIRS, Dr. Sanjeev Kimothi, Assistant Professor Swami Rama Himalayan University Dehradun and Ms. Pooja Jindal, Scientist SD IIRS Dehradun was elected unanimously as Secretary, Joint Secretary and the Treasurer of IMSD respectively. In addition to this, two council members Dr. Asha Thapliyal USAC Dehradun and Mr. M.M. Saklani IMD Dehradun were also elected.

4.2 World Ozone Day (September 16, 2020)

World Ozone Day is observed on 16 September every year to spread awareness among people about the depletion of Ozone Layer and search possible solutions to preserve it. To commemorate this occasion, IMSD with support from Indian Institute of Remote Sensing, Dehradun organized an online popular talk and a poster making competition. The popular talk was delivered by Prof. Shyam Lal, Honorary Professor, Physical Research Laboratory, Ahmedabad through IIRS you tube channel on September 16, 2020. Prof. Shyam Lal with tremendous experience in ozone related studies delivered a talk on “Know more about atmospheric Ozone”, which was well received. A poster making competition on “A step towards environment protection” was also organised for UG/PG students. Due to prevailing pandemic situation, the entries were invited online (scan copy of poster). The first three winners were awarded cash prizes and all the participants were given certificate of participation.

5. IMS Noida (IMSN) Chapter

5.1 Weekly Webinars/Workshops on Atmospheric Processes and Applications of Computational Mathematics (W3APACM-2020) were jointly organized by Department of Applied Mathematics, Gautam Buddha University (GBU), Gr. Noida and IMSA Chapter weekly once on Saturdays during 5th-20th June, 2020.

Department of Applied Mathematics, Gautam Buddha University (GBU), Gr. Noida and Indian Meteorological Society, Noida Chapter jointly organized a Weekly Webinar/Workshop on Atmospheric Processes and Applications of Computational Mathematics (W3APACM-2020) during (5th-20th June, 2020; weekly once on

Saturday). The webinar was carried out under the guidance of chief patron, Vice Chancellor of GBU; by the Dean of University School of Vocational Studies and Applied Sciences Prof. N.P. Melkania; Dr. A. K. Mitra (Scientist-G, NCMRWF, Noida); Dr. Ajit Tyagi (Former DGP, IMD) and three convenors of the Webinar, Dr. Sushil Kumar (Faculty, GBU, Gr. Noida), Dr. Amit Kumar Awasthi (Faculty, GBU, Gr. Noida) and Dr. Ashish Routray (Scientist-E, NCMRWF, Chairman, IMSN). The Webinar W3APACM-2020 was designed with a vision to provide participants an understanding of the scientific concepts associated with the atmospheric processes and the use of mathematical tools in weather and climate as well as future perspective.

The workshop was inaugurated on 5th June 2020 at 10:00 am with the welcome address by Prof Bhagwati Prakash Sharma, Vice Chancellor, GBU with his introductory address to the 300 participants and also enlightened the participants about the role of Artificial Intelligence, Machine Learning and how to analyse the Big Data for the accuracy in forecasts. At the end, he hoped the organizers will achieve the productive outcomes from this workshop and in turn impart knowledge to the young scientists and motivate them to organize such events in future particularly in this COVID-2019 pandemic time. The objective/theme of the workshop was presented by Dr. Sushil Kumar in detail and Dr. Ashish Routray presented the functioning of the IMSN and its importance to the society. Dr. Ajit Tyagi (Retd. Air Vice Marshal) delivered the inaugural address on "Climate Change: Risks, Impacts, Science and Actions". Various sessions were arranged on the basis of different topics and each session had esteemed plenary speaker and invited speakers. Research scholars/early career scientists were also given opportunity to present their works.

The plenary speakers included distinguished scientists such as Dr. Ajit Tyagi, Prof. Someshwar Das, Dr. A. K. Mitra, Dr. A.K.Sahai, Dr. V.K.Soni, Prof. Ramesh P Singh and Prof. N.P. Melkania. The invited speakers included well known scientists such as Dr. Ashish Routray, Dr. Abhijit Sarkar, Dr. PVS Raju, Mr. Anand K. Sharma, Dr. Jagbandhu

Panda, Dr. Raghavendra Ashrit, Dr. Sunita Verma, Dr. Manish Modani and Dr. Sushil Kumar. Finally electronically generated certificates were awarded to the participants who successfully completed the workshop.

5.2 IMSN completed the election of new executive council for the term 2020-2022. The new Executive Council members elected for the term 2020-2022 are listed below:

Chairman:	Dr. Ashis K Mitra
Secretary:	Dr. Ashish Routray
Joint Secretary:	Dr. Sushil Kumar
Treasurer:	Dr. Akhilesh Kumar Mishra

Members:

Dr. Arvind Ranade
 Dr. Devajyoti Dutta
 Dr. S. Kiran Prasad

6. IMS Patna (IMSPat) Chapter

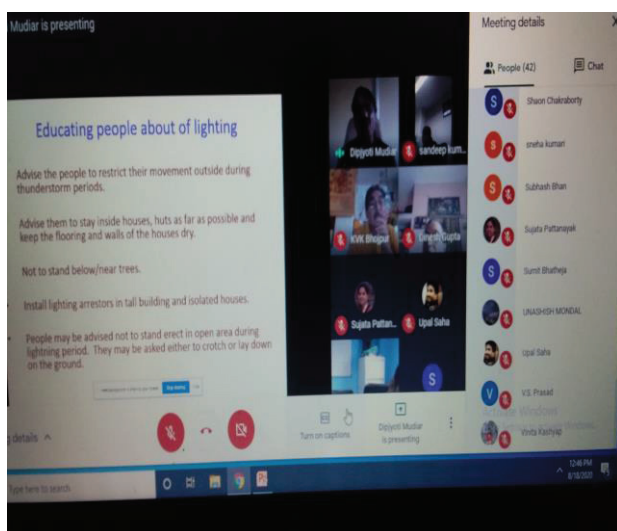
Expert lecture on "Lightning activity over India during pre-monsoon and monsoon" on 18th August, 2020

During the pre-monsoon and the summer monsoon months, in recent years, the increased activity of thunderstorm/lightning in the state of Bihar has caused a large number of deaths. To save lives, prior information of lightning events is needed. To fulfill this requirement, the lightning sensors under Lightning Location Network (LLN) program have been installed at Department of Environmental Science, Central University of South Bihar (CUSB), Gaya in Bihar as a part of the national program of the Ministry of Earth Sciences, Government of India. The courses on Climatology, Atmospheric Science and Climate Change, Environmental Modelling are taught to M. Sc. Environmental Science students and therefore Lightning Location Network is useful to those students.

On this important issue, an expert lecture on "Lightning activity over India during pre-monsoon and monsoon" is delivered by Dr. S. D. Pawar, Scientist F, Indian Institute of Tropical Meteorology (IITM), Pune on 18th August, 2020.

This online lecture was arranged by IMSPat through Google meet and 45 interested research students, scientists of Krishi Vigyan Kendra of Bihar, NGOs, scientists of national reputed institutes and academic persons participated. This expert lecture highlighted the Geographical Distribution of Thunderstorms, its mechanism and causes, lightning climatology, Monitoring and Nowcasting of Lightning and Damaging Effects of Lightning.

The Secretary IMSPat, Shri Anand Shankar (Scientist C, Met Centre Patna), Shri Sandeep Kumar, Joint Secretary (Met Centre Patna), Mr. Sanjay Kumar, Treasurer, (Met Center Patna) rendered all support to Prof. Pradhan Parth Sarthi, Chairman, IMSPat in conducting this expert lecture. The special thanks were given to Dr. Vivek Sinha, Director, Met Center, Patna for his encouragement and support.



7. IMS Pune (IMSP) Chapter

IMSP has made online publication of several issues of “**Bulletin of IMS Pune Chapter (BIMSP)**”. In 2020, IMSP published Bulletin of IMSP (BIMSP), Vol.18, No. 6-9, June-September2019 Special issue; Bulletin of IMSP (BIMSP), Vol.18, No. 10-12, October-December2019 Special issue; Bulletin of IMSP (BIMSP), Vol.19, No. 1-3, January-March2020 Special issue; and Bulletin of IMSP (BIMSP), Vol.19, No. 4-6, April-June2020 Special issue. These issues of BIMSP were uploaded in IMSP website. Mr. Somnath Mahapatra contributed for editing & preparation of these issues of BIMSP and Mr. Sanjay Sonporate contributed for uploading these at IMSP website.

IMSP has been maintaining a **WhatsApp group** “IMS Pune Chapter” since 2019 for communication and information sharing (on scientific matters, especially related to Earth Sciences) among the IMSP Life members. This group has more than 170 members (including some members from IMS NC also). Mr. Sikandar Jamadar, NEC Member, IMS NC has been very active in coordinating and administrating this WhatsApp group and Dr. J. R. Kulkarni has been very active in explaining various science questions in the group.

There were some **new Life Members** from IMSP, who received memberships through communication between IMSP and IMS NC, New Delhi. During 2018-2020, more than 30 new Life members have joined IMSP.

In association with IITM and Co-organizers S. P. Pune University, IMSP Executive Council made lot of efforts for organization of “**Annual Monsoon Workshop (AMW-2019) and National Symposium on Cloud and Precipitation Processes**” (which was scheduled during 12-14 March 2020, but had to be postponed later on due to Covid-19 pandemic). There were several Executive Council (EC) meetings of IMSP EC in this regard, with consultations from Dr. A. K. Sahai, Vice President, IMS NC, Mr. Sikandar Jamadar, NEC Member, IMS NC, Prof. Anand Karipot (Head, DASS) and Dr. Aditi Deshpande & Dr. Kishore Grandhi of DASS, S. P. Pune University organizing team. For the National Symposium, a large number

of abstracts (92) were received by IMSP and the Scientific Programme Committee (SPC), chaired by Dr. Suryachandra A, Rao and Prof. P.N, Sen, had a meeting to divide these into oral & poster presentations for the proposed 4 themes. Dr. Sagarika Chandra and Dr. Sumedha Gupta contributed for compiling these abstracts. These abstracts have been included in BIMSP, Vol.19, No. 1-3, January-March 2020 Special issue. Mr. S. Mahapatra and his former student Mr. Satya Prakash contributed significantly for editing, preparing the layout and finalizing the above special issue of BIMSP.

The abstracts sent by the invited speakers of Annual Monsoon Workshop (AMW-2019) were included in the Bulletin of IMSP, Vol.18, No. 10-12, October-December 2019 Special issue.

All members of EC, especially Dr. Devendraa Singh, Joint Secretary and Mr. Samuel Jose, Treasurer had contributed a lot towards planning and execution for organization of this event, in coordination with Co-Chairs, Secretary, Dr. A. K. Sahai and Mr. S. M. Jamadar. However, the event was postponed. The decision to postpone the event was taken in view of Corona(Covid-19) virus outbreak and corresponding Government advisories in the interest of the nation. The decision was communicated to IMSP members and other stakeholders immediately on 9th March 2020.

IMSP made necessary communications with IMS NC towards the **IMS NC Election (for the term 2020-2022)** for the process of electing new National Council members and coordinated with IMS NC and Life members of IMSP for making smooth conduct of the election through online voting process. Mr. Sikandar Jamadar, Mr. S. Mahapatra and Mr. Rishi Kumar (from IMS NC) contributed for this. From Pune, Dr. A. K. Sahai was re-elected as Vice-President and Mr. Sikandar Jamadar was re-elected as a Member in IMS NC for the term 2020-2022.

IMSP made necessary communications for the IMSP EC election for the term 2020-22. Dr. Milind

Mujumdar, Scientist-E IITM Pune performed the duty of Returning Officer and Mr. Manish Ranalkar, Scientist-E, IMD Pune performed the duty of Asst. Returning Officer for IMSP EC Elections for the term 2020-22. Dr. A. K. Sahai, Vice Chairman, IMS NC also contributed in this regard. The election process was completed in June 2020 and the results were declared on 6th July 2020 by the Returning Officer. The newly elected IMSP Executive Council (for 2020-2022 term) includes Dr. C. Gnanaseelan as Chairman, Ms. Latha Sridhar as Secretary, Mr. Sahadat Sarkar as Jt. Secretary, Mr. Jose Samuel as Treasurer, and 4 EC Members: Ms. Smitha A. Nair, Dr. Shirish Khedikar, Ms. Smrati Gupta and Dr. Madhu Chandra Reddy Kalapureddy - all have been elected unopposed. Dr. Milind Mujumdar and Mr. Manish Ranalkar are thanked for conducting the election and Dr. Sahai for his kind support. All of the elected members of the new IMSP EC (for 2020-2022 term) are warmly congratulated and welcomed. It is hoped that the new team will further enhance the reputation of IMSP through various activities & events and new initiatives for popularisation of various aspects of Earth & Atmospheric Sciences (especially Meteorology) and dissemination of important & useful information to the general public.

IMSP contributed significantly for providing wide publicity of various lectures (Live-talks) of the **“MoES Webinar Series”** delivered by reputed scientists of various organizations of MoES & MoES award winners and coordinated and arranged by DESK of IITM Pune through IITM YouTube channel during May to October 2020 (scheduled during 12:00-13:00 IST). In this regard, Mr. S. Mahapatra sent e-mails to Life members of IMSP, office bearers of IMS NC and its various Chapters of IMS in India (so that Life members of corresponding Chapters also can be informed), scientists and students. These Webinars (live talks) were attended by a large audience on online mode and had been a grand success.