

5th International Conference Climate Change and Its Impact (CCI-2023) June 9-11, 2023

VENUE: Sher-e-Kashmir University of Agricultural Sciences and Technology of Kashmir (SKUAST-K), Srinagar, J&K., India

Organizer



Sher-e-Kashmir University of Agricultural
Sciences and Technology of Kashmir
(SKUAST-K) Srinagar, J&K., India



Agricultural & Environmental Technology
Development Society (AETDS), U.K., India



University of Agricultural Sciences
Raichur, Karnataka, India



Mid-West University, Surkhet, Nepal



Yasantrao Naik Marathwada Krishi
Vidyapeeth, Parbhani, M.H. India



Sher-e-Bangla Agricultural University,
Dhaka, Bangladesh

HIGHLIGHTS OF THE CONFERENCE SESSIONS

- Technical Session having Lead, Oral and Poster Presentations
- Expert lectures from invited speakers
- Plenary & Concluding sessions
- Best Oral/Poster Presentation Award (each technical session)
- **Poster Presentation in Offline and virtual/online mode**

Chief Patron

Prof. (Dr.) Nazir Ahmad Ganai,
Vice-Chancellor,
SKUAST-Kashmir and SKUAST-Jammu, J&K, India

Prof. (Dr.) M. Hanumanthappa,
Vice-Chancellor,
University of Agricultural Sciences, Raichur, Karnataka, India

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West Godavari District, Andhra Pradesh

Prof. (Dr.) Nanda Bahadur Singh,
Vice-Chancellor,
Mid-West University, Nepal

Dr. Indra Mani,
Vice-Chancellor,
Yasantrao Naik Marathwada Krishi Vidyapeeth,
Parbhani, M.H. India

Prof.(Dr.) Md. Shahidur Rashid Bhuiyan
Vice-Chancellor,
Sher-e-Bangla Agricultural University,
Dhaka, Bangladesh

Important Dates

Last date for receipt of abstracts:	20.04.2023
Communication of acceptance:	20.04.2023
Last date for registration:	20.04.2023
Last date for Nominations for Award:	20.04.2023
Last Date for Submission of Book Chapters:	20.04.2023

Publication Partners:

Cambridge Scholars Publishing Ltd (England)

International Journal of Agricultural and Applied Sciences (IJAAS) (<https://agetds.com/ijaas/>)

Conference Link: <https://agetds.com/download/>

Contact us :

www.agetds.com, Email: cciconference2023@gmail.com



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Invitation

Welcome to the 5th International Conference on “Climate Change and Its Impact (CCI 2023)” that will be jointly organized by Sher-e-Kashmir University of Agricultural Sciences and Technology (SKUAST-K) Srinagar, J&K., India, Agricultural & Environmental Technology Development Society (AETDS), U.S. Nagar, Uttarakhand, India, University of Agricultural Sciences, Raichur, Karnataka, India, Vasant Rao Naik Marathwada Krishi Vidyapeeth Parbhani, M.H., India; Sher-e-Bangla Agricultural University, Dhaka, Bangladesh and Mid-West University, Surkhet, Nepal at Sher-e-Kashmir University of Agricultural Sciences and Technology (SKUAST-K) Srinagar, J&K., India on **June 9-11, 2023**.

The Organizing Committee of the Conference takes this privilege to invite scientists, researchers, academicians of national and international repute, professionals, research scholars, NGOs, social and extension workers, students, corporate, entrepreneurs, farmers, and others who are actively involved in Research and Development practices related to agricultural and applied sciences. The major objective of the conference is to provide a unified global platform representing multiple disciplines to share and discuss their experiences, research findings, and developmental activities in agricultural and applied sciences align to development of agriculture with other complimentary disciplines.

ABOUT THE INTERNATIONAL CONFERENCE

The world is getting warmer day by day. Global mean temperatures have been increasing by 0.74°C during last 100 years. According to an ongoing temperature analysis conducted by scientists at NASA, the average global temperature of earth increased by 1.15°C above the long-term averages and described the year 2019 as the second warmest year on record. The agricultural sector is both a source and a sink for climate change, which is primarily caused by rising carbon dioxide levels (415.26 ppm as of today) and other anthropogenic emissions into the atmosphere from soil management practises, such as methane and nitrous oxide. These emissions have a significant impact on the sustainability of agricultural production. As a result, the climate change in turn affects agriculture by reducing crop productivity and nutritional quality that ultimately leads to food in security. As a part of this, FAO is supporting countries to realize effective pro-poor development within the face of global climate change, by promoting multi-sectoral, pro-poor and climate-informed development policies, property and inclusive production, diversification and tight rural employment, moreover as risk hip to and shock responsive social protection systems, with a read to effort nobody behind. In the present scenario, we are discussing different prospects of climate resilient agriculture in view of climate change and how climate resilient smart agriculture can help in attaining sustainable livelihood.

5th International Conference on “Climate Change and Its Impact (CCI 2023)” has been designed to focus on various scientific tracks covering major areas of research on Climate Change: Challenges and Mitigation. This Conference anticipates to bring together the global scientific community, policymakers, administrators, industry representatives, and other stakeholders for real brain storming on these glaring issues related to current crisis of global agriculture.

I. Presentations during Conference

Lead Paper Presentations/Invited Talk

The presentation under this category would offer an insight into the various themes of the conference. A Technical Committee will identify 2 - 3 speakers in each theme. Each lecture will be of 15-20 minutes followed by discussion. Lead speakers of the congress will be requested to provide 3-4 pages extended summaries of their presentation for inclusion in the congress proceedings.

Contributory Paper Presentations

This section would provide an opportunity for oral presentation of research papers received/submitted for poster presentation. Limited number of papers will be selected by the committee for presentation based on importance of subject matter and its relevance to the sub-themes of the congress and speakers will be informed well in advance for making the presentation. The presentation will be of 7-8 minutes.

Poster Presentations

Separate 'Poster Sessions' covering all the themes will be organized to encourage wider interaction and information sharing. The extended summary contributed for presentation will be screened as per the theme. Each poster session will have Chairman and Co-Chairman. They will prepare and present summary of the concerned Poster Session for formulation of meaningful recommendations.

II. Exhibition and Advertisement

An exhibition will be organized at the venue. The details of the space available and charges etc. will be made available in the second circular and on the Society Website. Advertisement can be included in the conference publications.

III. Guidelines for Preparation of Extended Summary

- Extended Summary should not exceed 1000 words excluding illustration (one) and references. The title should be short, specific and phrased to identify the content of the article. Heading should be in capital letter. i Extended Summary should be typed in MS-Word, Times New Roman with normal fonts. Font's size for different parts of extended summary are Title - 14 points bold, Authors – 12 point, Institute name – 11 points italic, Content – 11 points.
- Kindly Mention Name of the Theme in **Extended Summary**
- It should include the author(s) name(s), email id and place of work including the name of the university / organization, State, PIN code and the country. In case, the present address of any of the author is different, it should be given with complete address as footnote. The extended summary should begin with brief introduction and objectives, followed by methodology, results, conclusion and references (maximum two) and illustration (one). Heading of Methodology, Results, Conclusion and References should be given in capital letters. No heading for introduction is required.
- The guidelines are also available at Society [webpage \(https://agetds.com/download/\)](https://agetds.com/download/)
- Sample Abstract/Extended Summary Format: <https://tinyurl.com/2t3rdurd>**
- The extended summaries of all the contributory papers will be published and provided to the delegates as soft copy during the conference. These must reach the Organizing Secretary in the prescribed format latest by **20.04.2023**.
- Extended summary prepared without following the style and format and guidelines will not be accepted for publication. A soft copy of the extended summary prepared in MS-Word doc may be mailed to cciconference2023@gmail.com (Dr Farooq Ahmad Khan, Organizing Secretary, CCI 2023, Professor and Head, Faculty of Horticulture, SKUAST-K, Srinagar-190025, J&K)
- Conference Registration Form : <https://tinyurl.com/registrationCCI2023>**
- Award Nomination Form: <https://tinyurl.com/award2023cci>**

MAJOR THEMES/SUBTHEMES AND TRACKES OF THE CONFERENCE

Theme 1: Climate Change: Challenges and Mitigation

- Challenges in designing Future Crops
- Developing options for climate change resilient crops
- Abiotic/ biotic stress management under changing climate
- Impact of Climate Change on Insect pests, diseases and their management
- Climate Change and Horticulture
- Animal / Veterinary Sciences and Climate Change
- Approaches for Climate Change Mitigation
- Application of Artificial Intelligence, Machine Learning and Drone Technology
- Adapting Environmental Stress: Technological Advances and Unique Biological Characteristics
- Climate change and global warming: Impacts, Policies, Planning, and Management
- Green technology approach for sustainability
- Environment Pollution and Disasters: Monitoring and Management
- Environmental and sustainable energy-friendly resources: renewable energy, green energy, bio-fuels and waste product energy
- Medical, pharmaceutical and healthcare management

Theme 2: Innovative Approach in Forestry, Agricultural and Allied Sciences

- Innovative approaches in Scientific and Sustainable Forest Management.
- Innovative approaches in Soil Health, Land Resources, and Land Use Planning and management
- Innovation in precision Agriculture, Soil and Water Conservation for a sustainable agricultural system
- Modern aspects of crop production technologies
- Organic Farming with residue-free production
- Production and Management of Sericulture, Apiculture, Forestry, Vermicomposting, Fishery, Mushroom, etc.
- Innovative approach for enhancing the Farmers' income
- Integrated management of Nutrient, Weed, Diseases and Pest Management
- The international perspective in Animal Health and animal husbandry: Innovations and challenges
- Advances in Dairy Science and Technology for enhancing the farmer's income
- The modern approach to Traditional and Herbal Medicines
- Scientific studies and development in allied sectors like fisheries, dairy, poultry, home science, etc.
- Innovation in ITK, ICT, IPR, Smart Agriculture and Transfer of Technology (TOT) for Farmers Innovation
- Govt. Policies and planning for Sustainable Development of Agriculture
- Hi-tech Horticulture, Horticultural innovations, food processing, and value addition
- Aquaculture: present and future
- Innovation in agricultural engineering
- Agricultural marketing, Export, entrepreneurship development, and Agri-business management opportunities
- Income Analysis of production and marketing of Agri-enterprise
- Farm mechanization and post-harvest technologies to enhance farm profitability

- Agribusiness education, research, extension and training

Theme 3: Agroforestry, Natural resource management, Food and Environmental Security

- Agroforestry and sustainable development
- Technological innovations in Agroforestry
- Agroforestry for environmental conservation, climate change adaptation and mitigation
- Agroforestry policies, implementation; and future approaches for enhanced impacts
- Natural Resources Management their Conservation and Sustainable Utilization of Natural Resources
- IPR and Utilization of Plant resources: Issues and current challenges
- Bio-remediation, renewable energy and energy conservation
- Application of remote sensing and geographical information system in agriculture and natural resources management
- Regional planning and sustainable development

Theme 4: Life Sciences, Biomedical Sciences, and Biotechnological aspects

- Biodiversity (Plant/Animal) and Marine biology
- Molecular Biology, Bioinformatics, Biochemistry, Genetic Engineering
- Modern Trends in Geography, Botany, Zoology, Microbiology, Plant Science, Geology, etc.
- Bio-nanotechnology
- Biotic and Abiotic Stress Management
- Reproductive and molecular biology
- Infectious, viral and parasitic disease
- Wellness, health, and antibiotic resistance
- Biosynthesis, mycoscience, and metabolism
- Application of medicinal biotechnology for livelihood support
- Clinical and experimental oncology
- Biotechnology, bioinformatics, diagnostics, and therapeutics
- Bio-nanotechnology, signalling pathways, and molecular diagnostic
- Structural engineering, signal processing, imaging, image processing, hydrology, and environmental engineering

Theme 5: AGRI and Animal Husbandry Startups

- Natural Animal Nutrition- Alternative value chain other than meat products in animals- Natural Plant Protection products
- Natural Products for Regulating Phytohormones to increase tolerance of crops towards climatic stress and disease attacks
- Technologies for Regenerative Agriculture and Carbon farming
- All other biodiversity-friendly green technologies of startups/ideas towards sustainable Crop and Animal Production

All other biodiversity-friendly green technologies of startups/ideas towards sustainable Crop and Animal production

Organizing Secretary

Prof. (Dr.) F. A. Khan, Professor and Head, Faculty of Horticulture, SKUAST, Srinagar (J&K), India

Organizing Convener

Dr. Wajid Hasan, Secretary, AETDS, KVK, Jahanabad, Bihar Agricultural University, Bihar, India

Conference Chairman

Prof. (Dr.) Gururaj Sunkad, Dean PGS, University of Agricultural Sciences, Raichur, Karnataka, India

Besides invited papers covering key issue, there will be oral and poster presentations. The full length selected research/review papers/articles/ Book Chapters will be publishing in the following as:

(A) Conference Proceeding (ISBN): Full length article

(B) Reputed Journal (Regular/Special Issue):

All selected papers will be published and it will take 8 to 12 month's times

I. International Journal of Agricultural and Applied Sciences (IJAAS) (<https://agetds.com/ijaas/>)

(C) Edited Book with ISBN: edited book published by an International publisher with ISBN as a book chapter and it will take 8 to 10 month's times

Collection of selected papers/book chapters from the conference will be published by Cambridge Scholars Publishing Ltd (England)

Proposed Books Title

i. Conservation Agriculture and Smart Mechanization to Protect Natural Resources

ii. Abiotic and Biotic Stress Management to Mitigate Climate Change Impacts

iii. Precision Nutrient Management, Organic Farming and Bio-diversity Conservation

iv. Innovative Extension Systems for doubling farmers income

v. Last Mile Delivery of Agronomic Management Practices

vi. Applied Perspective in Crop Protection

vii. Innovations in Weed Management Science

Note:

1. No TA & DA will be paid to participants by the Organizer/AETDS Society

2. No any abstract will be published without registration in the conference.

Conference Presentation Awards

- Best Oral Presentation Award (each technical session)
- Best Poster Presentation Award (each technical session)

Note: No need to apply, these awards decided by session chairman during conference

Participants will submit extended summary of their research paper before the last date. The submitted Abstracts/ Papers/ Book chapters will be reviewed by CCI 2023 SCREENING TEAM and based on the comments of the reviewers the Editor-in-chief/ Editorial board will take final decision for acceptance of the manuscript.

Poster Presentation

Size: 24"x36" 1x1.2 m. Font Size: Title- 86pt, Authors-50pt, Sub heading-36pt, Text-24 pt, Caption-18pt

Poster should be include- Title, Name, Address, Introduction, Materials and methods, Results and Conclusion.

Delegates are requested to kindly send the soft copies of their Abstracts, full length paper/articles and book chapters for publishing with duly fill registration form by mail to: cciconference2023@gmail.com, **before 20, April, 2023.**

Conference Registration Form

<https://tinyurl.com/registrationCCI2023>

Award Nomination Form:

<https://tinyurl.com/award2023cci>

Conference Registration (CCI-2023)

Registration Contribution (Before 20 April, 2023)

On spot registration will be extra charges (Rs. 1000/- (20\$))

Participants Categories	SAARC Countries (INR)	Other Countries (USD)	Article Processing Contribution	
			IJAAS	Book Chapters
Delegates/Scientists/RA,SRF, PDF Academicians/Professionals	5000/-	300\$	Free	1500/- (20\$)
Students (UG, PG, Ph.D.)	3000/-	200\$	Free	1500/- (20\$)
Corporate Sectors and Industries	10000/-	500\$	Free	1500/- (20\$)
Accompanying Person	INR 2500/- (Only for conference Lunch and Tea)			

- **(In virtual/online poster presentation- Registration Fee for students is 1000/- INR and For Scientist/ RA/SRF/PDF/others 2000/- INR)**
- No any abstract will be published without registration in the conference.
- Conference registration/Society contribution fee is non-refundable and registration contribution includes working tea, lunch and registration kit only.
- All right reserved, Publication Fee should be pay after acceptance only.
- International Journal of Agricultural and Applied Sciences (IJAAS).
- **No guarantee of registration kit for on spot registration. In case of Covid-19, the conference will be conducted via online mode.**
- **For accommodation and local convenience may contact to Mr. Abdul Majid Reshi, FCLA, Division of BSH, SKUAST-K, Shalimar (Mob: +91 7889892337)**

Advertisement and Sponsorship Publication Details

Advertisement details	
Ads Specification for souvenir	Fee (INR)
Front Cover Inside (Color)	50,000
Back Cover Inside (Color)	30,000
Full Page (Color)	25,000
Full Page (Black/ White)	15,000

Sponsorship Details	
Category	Fee (INR)
Platinum	1,50,000/-
Gold	1,00,000/-
Silver	75,000/-

Mode of Payment and Bank Details

Conference Registration Contribution can be paid by Cash/NEFT/IMPS/Net banking in favor of the following:



7004942581



UPI ID: entowajid@oksbi



7677466479



UPI ID:7677466479@axl



7677466479



UPI ID:7677466479@paytm

<https://paypal.me/aetds>

Account Name: **Agricultural & Environmental Technology Development Society**

Bank Name: **Punjab National Bank**

Payable at: **Galla Mandi, Rudrapur, Uttarakhand, India**

A/C No: **7724000100022340, IFS Code:PUNB0772400, MICR Code: 263024204**

AETDS Society Awards and Honors

- Life Time Achievement Award
- Fellow Award/ Eminent Scientist Award/ Distinguished Scientist Award/Outstanding Scientist Award
- Scientist of the Year Award/ Outstanding Achievement Award
- Best Veterinarian/ Horticulturist /Floriculturist/ Agronomist/ Entomologist/ Plant Pathologist/ Plant Breeder/ Soil and Water Conservationist Award
- Excellence in Extension Award/ Best Extension Scientist Award/ Best KVK Scientist Award
- Best Teacher/ Excellence in Teaching Award
- Best Research Scholar Award
- Young Women Scientist Award
- Environmental Protection Research Award/Award/ Environmentalist Award/ Best Ecologist Award
- Best / Young Agriculture Engineer Award
- Best Student of the Year Award (**Based on Excellent academic records in the past 12 month**)
- Young Agriculturist Award (**Ph.D Scholar in the field of Agriculture, 3 papers should be published**)
- Young Scientist Associate Award/ Young Achiever
- Best Agriculture Officer Award (For working in Government Agriculture Department- DAO, BAO, VDO, PPO, JDA, DD etc.)
- Young Entomologist/Plant Pathologist/Horticulturist/ Agronomist /Biologist/ Fisheries Scientist/Biotechnologist Award
- Young Botanist/Zoologist/Microbiologist Award
- Young Scientist Award/ Young Women Scientist Award
- Best/Young Forestry Researcher Award
- Outstanding/ Best Dissertation/Master Thesis Award/ Ph. D. Thesis Award
- **Global Scientist Award (Screening Based on Google Citation Score)**
- **Dr. V. P. Tyagi Memorial Award one Award in each category in the field of Agricultural Sciences (Research Scholar, Scientist)**
- **Young/Best Entrepreneurship Award/ Entrepreneur of the Year Award (Scientific lab/Company owner, Manager, Trainer have great work)**

All interested delegates/researchers/academicians/farmers/students/Entrepreneurs are requested to send a soft copy of their bio-data with filled award nomination form send to Secretary, AETDS to Email: cciconference2023@gmail.com, before **20 April, 2023**. (Award Nomination Contribution **INR 5500/- (100US \$)**). Prescribed award nomination form available on society web page (<https://agetds.com/download/>). Conference Registration contribution is mandatory for award nomination. **Award + Registration Contribution should be made after award confirmation** email by us.

• **Award Nomination Form:** <https://tinyurl.com/award2023cci>

• **Conference Registration Form :** <https://tinyurl.com/registrationCCI2023>

***Note: Awards will be given on the basis of Academic Performance Indicators (API Score)**

The society has the full right to deciding the number of awards. Age limit below 40 years for young scientist, young women scientist, young fellow, young achiever, young teacher and young extension scientist award.

No TA & DA will be paid to participants/ awardee by AETDS Society

Accommodation Details

Accommodation will be arranged for the participants in the hotels at Srinagar valley near the conference venue on prior request and pre-payment basis as given below and no spot accommodation will be provided on conference days. Kindly confirm your accommodation on or before 20 April, 2023. Accommodation will be done only after receipt of advance payment. Hotel charges may be varies as per locality and facility available. **For accommodation and local convenience may contact to Mr. Abdul Majid Reshi, FCLA, Division of BSH, SKUAST-K, Shalimar (Mob: +91 7889892337)**

For students accommodation will be made at farmers hostel in double or Triple sharing basis only @ Rs. 250/-per night at farmers hostel & Rs. 50/- per night in Dormitory accommodation. This is facility is limited to 100 students, will be provide first come first serve basis. You can book hotel from yourself from various website such as <https://www.jktdc.co.in/Hotel-Search.aspx>, makemytrip.com, booking.com, oyorooms.com etc.

Weather of Srinagar in June

Srinagar is the Summer Capital of the Jammu and Kashmir Union Territory whereas Jammu is the winter capital. June is considered as the warm month of Kashmir where the average maximum daytime temperature in Srinagar lies at 28.7°C (83.66°F). The average minimum temperature goes down to around 15.0°C (59°F) (often the minimum temperature is noted at night).

Attraction of Srinagar, Kashmir



Tulip Garden



Shikara in Dal Lake



Botanical Garden



Pari Mahal



Houseboats at Nigeen Lake



Nishat garden



Shalimar Garden



Dal lake

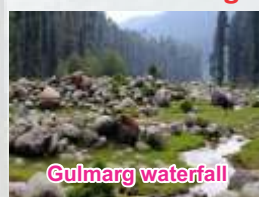
Attraction of Gulmarg (52 km from Srinagar)



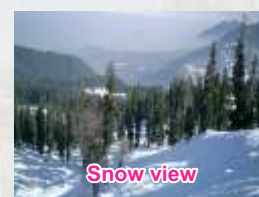
Gulmarg gondola



Gulmarg lake



Gulmarg waterfall



Snow view

Srinagar is one of several places that have been called the “Venice of the East” or the “Kashmiri Venice”. Lakes around the city include Dal Lake – noted for its houseboats – and Nigeen Lake. Srinagar has some Mughal gardens, forming a part of those laid by the Mughal emperors across the Indian subcontinent. Those of Srinagar and its close vicinity include: Chashma Shahi, Badamwari, Nigeen Lake, Dal Lake, Hariparbat Fort, Dachigam National Park, Harwan, Tulip Garden, Botanical Garden, Pari Mahal, Nishat Garden, Shalimar Garden. The Shankaracharya Temple on the hill top in the middle of the city.

Conference Venue & Accessibility SKUAST-Kashmir, Shalimar Campus, Srinagar



By Air:

Named Sheikh ul Alam Airport (IATA code SXR), Srinagar Airport is an international airport. This airport is well connected to the airports of all major cities in India. Airlines offer regular flights from Srinagar to Delhi, Mumbai, Kolkata and Chandigarh. The airport is placed just 15 km away from the centre of the city and 25 km away from the SKUAST-Kashmir Shalimar Campus.



By Railways:

To reach Srinagar by train, one has to reach either Jammu Tawi or Udhampur railway station. The stations are well connected with different parts of India. From these stations, you can hire taxis, private as well as the state government buses to reach this magnificent place. Jammu is the nearest railway station, at a distance of 270 kilometres. Jammu railway station is well connected to the Indian railways network.

For more details, please visit www.indianrail.gov.in or www.irctc.co.in List of Trains



By Roadways:

Srinagar is well connected to cities like Delhi (876 km), Jammu (258 km), Chandigarh (646 km) and Leh (424 km). You can take JKSRTC deluxe buses to travel to and from the city. There is good Bus service and Cab service available. Srinagar is accessible via road through the Srinagar-Leh highway only during early May to mid-November and through the Manali-Leh highway from April to June. The drive to Srinagar is famous for its enchanting views.

Conference Organizing Committee

Chief Patron

- Prof. (Dr.) Nazir Ahmad Ganai, Vice-Chancellor, SKUAST-Kashmir and SKUAST-Jammu, J&K, India
- Prof. (Dr.) M. Hanumanthappa, Vice-Chancellor, University of Agricultural Sciences, Raichur, Karnataka, India
- Dr. Arun Kumar, Vice-Chancellor, Swami Keshwanand Rajasthan Agricultural University, Bikaner, Rajasthan, India
- Prof. (Dr.) T. Janakiram, Vice Chancellor, Dr.Y.S.R. Horticultural University, West Godavari District, Andhra Pradesh
- Prof. (Dr.) Nanda Bahadur Singh, Vice-Chancellor, Mid-West University, Nepal
- Dr. Indra Mani, Vice-Chancellor, Vasantnao Naik Marathwada Krishi Vidyapeeth, Parbhani – 431 402 (Maharashtra), India
- Prof.(Dr.) Md. Shahidur Rashid Bhuiyan, Vice-Chancellor, Sher-e-Bangla Agricultural University, Dhaka, Bangladesh

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- Prof. (Dr.) Azmat Alam Khan, O.S.D. to Hon'ble VC, SKUAST- K, J&K,

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- Prof. (Dr.) Neelofar Banday, Editor-in-Chief, SKUAST Journal of Research, FLA, FoH, SKUAST- K, J&K, India
- Prof. (Dr.) Rehana Habib Kant, Dean, FoA, Wadura, SKUAST- K, J&K,
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- Dr. Syed Arif Wali, The Energy and Resource Institute, New Delhi
- Prof. (Dr.) Rohitasw Kumar, COAE, FoH, SKUAST- K, J&K, India

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- Prof. (Dr.) Imtiyaz Murtaza, FoH, SKUAST- K, J&K, India
- Prof. (Dr.) Mushtaq Ahmad Malik, FoA, SKUAST- K, J&K, India

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Hands-on Workshop on Data Analysis using Python

Workshop Venue & Accessibility- SKUAST-Kashmir, Shalimar Campus, Srinagar

(Date 11.06.2023 - Fee=500 INR)

Welcome to the hands-on workshop on data-analytics using Python!

This workshop is conducted by an experienced resource from industry, who has helped 100's of participants in Python, data-analytics and other career skills.

Researchers, professionals, faculty, students, etc can join this workshop, as no prior experience with data analysis or Python is required.

Python has become the go-to language for many applications, including data analytics, machine learning, scientific computing, and more. Its ease of use, flexibility, large community, and powerful libraries make it a valuable skill to learn and invest in your career.

Data analytics is crucial for organizations and businesses of all sizes and domains to make informed decisions and gain a competitive advantage. Valuable insights into operational efficiency, market trends, customer behaviour, etc are provided by data analytics. It is an essential component of research, allowing researchers to analyze large amounts of data quickly and accurately. Data analytics can be used to develop predictive models that can be used to forecast future trends or outcomes.

Python is a powerful programming language for various tasks in data analytics, from data cleaning and visualization to statistical analysis and machine learning. Data cleaning and pre-processing can be done using Pandas and Numpy. Data visualization is enabled by Matplotlib, Seaborn, and Plotly. Scipy, Statsmodels and Scikit-learn can be used for data analysis. Web scraping is made possible by Beautifulsoup and Scrapy. Pyspark and Dask allow for distributed computing that is useful for big-data processing.

Agenda of this hands-on workshop will be as follows:

- Data, analytics, skills, jobs, etc. (Lecture, approx. 30 mins)
- Python programming (Hands-on, approx. 3 hrs)
- NumPy for scientific computing (Hands-on, approx. 1 hr)
- Pandas for data analysis (Hands-on, approx. 1 hr)
- Matplotlib for visualization (Hands-on, approx. 30 mins)
- Open discussion, Q&A

Expert:

Dr. Saif Abrar is a Python/HPC/supercomputer/data leader in IBM and passionate about academic collaborations.

Further details are available on his LinkedIn profile: <https://www.linkedin.com/in/saifabrar/>

Prerequisites:

- Participants to bring their own laptops for hands-on exercises.
- Basic understanding of computer operations, mathematics, etc.
- Python and other libraries pre-installed in the laptops. Instructions to install the required software will be provided well in advance.
- Internet connectivity is good to have, but not really a must.
- **Limited to 50 participants**

Note: Those are interested to participate in this workshop may deposit conference registration fee with 500 INR extra for this workshop.

Contact us: +91 7004942581, 9886512327, 7677466479

Webpage (<https://agetds.com/download/>) Email: cciconference2023@gmail.com