



## Scholarly Activities Report



## **Scholarly Activities Report October 2019-March 2020**

Research papers (Published in refereed journals): **65**

Book Chapters: **14**

Conference/Symposium/Workshop Proceedings: **60**

Patents Published: **2**

## I. ACTIVE SEED PROJECTS UNDERTAKEN AT DIT UNIVERSITY

### DEPARTMENT OF CIVIL ENGINEERING

#### Dr. Ayush Chandrakar & Dr. Anshu Tomar

1. **Project Title:** Holistic and Systemic Management of Water and Agricultural Resources: Survey and mapping of water resources in rural areas of Uttarakhand, formulation of integrated management strategies, **PI: - Dr. Ayush Chandrakar, Co-PI:- Dr. Anshu Tomar, Funding Agency:- DITU, Amount Sanctioned: - Rs. 1.5 Lacs, Duration:- 1 year (January 2020 – December 2020), Current status:- on-going, Approx. completion date:- December 2020.**

### SCHOOL OF COMPUTING

#### Dr. Vishal Bharti

2. **Project Title:** Kisan Seva Portal, **PI:** Dr. Vaibhav Kumar, **Co-PI:** Dr. Vishal Bharti, **Funding Agency & Scheme Name:** SEED Money Grant by DITU DITU/Dean R&C/2019/002, **Amount Sanctioned:** Rs. 1,15,000/-, **Duration:** 2 Years, **Current Status:** On-going, **Approx. Completion date:** December 2020.

### DEPARTMENT OF PHYSICS

#### Dr. Vishakha Kaushik & Dr. Surbhi Sachdev

3. **Project Title:** Exfoliation of large quantity molybdenum disulfide nanosheets using a cost effective technique for catalytic applications, **PI- Dr. Vishakha Kaushik, Co-PI- Dr. Surbhi Sachdev, Funding agency & Scheme-** DIT University, Seed Money, **Amount Sanctioned-** 1.5 Lacks, **Duration-**1 Year, **Current status-** purchasing is in progress, **Approx. completion date - 2021.**

#### Dr. Natasha Awasthi & Dr. Surbhi Sachdev

4. **Project Title:** Controlling open quantum system: A challenge for future quantum technologies, **PI:** Dr. Natasha Awasthi **Co-PI:** Dr. Surbhi Sachdev, **Funding agency & Scheme** DIT University, Seed, **Amount Sanctioned:** Rs.70, 000, **Duration:** 1 year, **Current Status:** In process (order has been placed in order to software). **Approx. completion date:** December 2020.

## II. ACTIVE EXTERNAL SPONSORED RESEARCH PROJECTS

### FACULTY OF ARCHITECTURE & DESIGN

#### Ar. Anchal Sharma & Dr. Ashok Kumar

1. **Project Title**-Thermo - physical evaluation of traditional and contemporary building envelope constructions for developing adaptive model for thermal comfort of naturally ventilated and mixed mode residential buildings, **PI- Aanchal Sharma, CO PI- Dr. Ashok Kumar** (mentor), **Funding Agency**- TARE – DST SERB (TAR/2020/000283), **Amount Applied for** - 5 lac, Duration- 3 Years.

### DEPARTMENT OF CHEMISTRY

#### Dr. Tapas Kumar Dora & Dr. Suheel K. Porwal

2. **Project Title**: Development of novel material “aerogel” from waste-paper through in-situ cross linking of biodegradable material for treating the Gun-shot wound and other Engineering applications, **PI: Dr. Tapas Kumar Dora**, Co PI: **Dr. Suheel K. Porwal**, Funding Agency and Scheme- DST-SERB, CRG (182020005325), Amount Applied for-27,95,100, Duration-03 years.

### SCHOOL OF COMPUTING

#### Sneh Lata Aswal

3. **Project Title**: Jyotirgamaya (project based on hygiene and cleanliness of the Dehradun city) **PI: SNEH LATA ASWAL**, **Funding Agency**: Alamb, Centre for Youth, Plan India, PVR nest. **Amount Sanctioned**: 2.7 lakhs, **Duration**: 6 months but extended for few more months, **Current Status**: project is in its final phase, **Approx. Completion date**: June 2020(Tentative).

## **FACULTY OF MANAGEMENT STUDIES**

### **Priyanka Panday & Dr. Preeti Sharma**

4. **Project Title:** Prospects and Challenges of Women Entrepreneurship among Tribes of Uttarakhand: Case Study of Jaunsar-Bawar Region”, **PI: Priyanka Panday, CO-PI: Dr. Preeti Sharma, Funding Agency and Scheme:** Uttarakhand Science Education & Research Centre (U-SERC), Department of Science & Technology (DST), **Amount Sanctioned:** 25000, **Duration-** 3 Months, **Current status and approx. completion date:** On-going.

## **FACULTY OF PHARMACY**

### **Dr. Havagiray Chitme**

5. **Project Title:** Key Biomarkers Differentially Expressed in Cumulus and Mural Cells of Polycystic Ovary Syndrome (PCOS) Patients, **PI: Dr. Havagiray Chitme, CO-PI: Dr. Hari Om Prasad and Dr. Ritu Prasad,** Amount Sanctioned: 10,000 Euros (INR - 836075.29), **Funding agency & Scheme:** Bayer AG, Drug Discovery – Alliance Management, Germany and Focus Research for One Year. **Current status:** On-going

## **DEPARTMENT OF PHYSICS**

### **Dr. Parveen Kumar, & Dr. Ravi Kumar Shukla**

6. **Project Title:** Synthesis and characterization of Thin Films of Electrocaloric Materials for Solid State Cooling Applications **PI: Dr. Parveen Kumar, Co-PI: Dr. Ravi K. Shukla, Funding Agency:** DRDO, **Amount Sanctioned:** 21.32 Lakhs, **Duration:** 3 Years, **Current Status:** On-going, **Completion date:** Jan 2021

### **Dr. Ravi K. Shukla & Dr. K.K Raina**

7. **Project Title:** Lyotropic liquid crystalline materials for capacitive devices and as a water free soft templates to develop nanostructures, **PI: Dr. Ravi K. Shukla, CO-PI: Dr. K.K. Raina** **Funding Agency:** SERB, Core Grant (FILENO.EMR/2016/005591), **Amount Sectioned:** 3930520, **Duration:** 3 years, **Current Status:** On-going, **Completion date:** 16<sup>th</sup> November 2020

### **III. SUBMITTED EXTERNAL SPONSORED RESEARCH PROJECTS**

#### **SCHOOL OF COMPUTING**

##### **Dr. Srabanti Maji & Dr. Vishal Bharti**

- 1. Project Title:** Meningitis Identification in the user by using adaptive based Machine learning, (21/02/2020), **PI: Dr. Srabanti Maji, Co-PI: Dr. Vishal Bharti, Funding Agency and Scheme: SERB, CRG (182020000248), Amount Applied: Rs.17,97,608, Duration: 36 Months. Current Status: On-going, Approx. Completion date: N/A.**

##### **Dr. Rama Sushil, Anurag Srivastava, Diwaker & Ankit Agarwal**

- 2. Project Title:** Machine Learning based design and development of low cost automated early warning system for intensive care of vital parameters for human health, (applied on 7march2020) **PI: Dr. Rama Sushil, Co-PI: Anurag Srivastava, Diwaker, Ankit Agarwal, Funding Agency & Scheme: Core Research Grant (CRG) -CRG/2020/001775, Amount Applied: 18,01, 298.00, Duration: 3 years, only submitted status shown at SERB,DST, Approx. Completion date: N/A .**

##### **Dr. Jyoti Rawat**

- 3. Project Title -**Computer assisted classification framework for diagnosis of acute and chronic leukemia for microscopic blood images (Applied Date- 02/03/2020), **PI: Dr. Jyoti Rawat, Funding Agency & Scheme- Science and Engineering Research Board (SERB), (Application number- SRG/2020/001266), PI- Dr. Jyoti Rawat, Amount Applied - 13,92,600, Duration – 2 Years. Current Status: only submitted status shown at SERB, DST, Approx. Completion date: N/A.**

#### **DEPARTMENT OF EECE**

##### **Dr. Sonika & Dr Gagan Singh, Dr. Kuldeep Chaudhary**

- 4. Project Title:** QoS optimisation for Hilly terrains for seamless communication, **PI: Dr. Sonika Singh, Co-PI - Dr. Gagan Singh, Dr. Kuldeep Chaudhary, Funding Agency and Scheme- SERB-CRG, , Amount Applied for- 24,74,137Rs.,Duration-36 months.**

## **FACULTY OF MANAGEMENT**

### **Priyanka Pandey & Dr. Preeti Sharma**

5. **Project Title:** “Empowerment, Awareness and Entrepreneurship Programme in Rural Villages of Uttarakhand” **PI: Priyanka Panday, CO-PI: Dr. Preeti Sharma, Funding Agency and Scheme:** Uttarakhand Science Education & Research Centre (U-SERC), Department of Science & Technology (DST), **Amount Sanctioned:** 12,00,000, **Duration:** 24 Months.
6. **Project Title:** “Disability Awareness and Capacity Building Programme in Rural Villages of Uttarakhand” **PI: Priyanka Panday, Co-PI: Dr. Preeti Sharma, Funding Agency and Scheme:** submitted to the Department of Science & Technology (DST), **Amount Sanctioned:** 25,00,000, **Duration:** 24 Months.

## **DEPARTMENT OF MATHEMATICS**

### **Dr. Fateh Singh & Dr. Sandeep Singh**

7. **Project Title:** Study of disease transmission in crop plants, **PI: Dr. Fateh Singh, Co-PI: Dr. Sandeep Sharma, Funding Agency & Scheme:** SERB: CRG (CRG/2020/003506), **Amount Applied for:** 20, 11, 586, **Duration:** 36 Months.

### **Dr. Sandeep Sharma**

8. **Project Title:** Study of different bifurcation scenarios in epidemic models, **PI: Dr. Sandeep Sharma, Funding Agency & Scheme:** SERB, SRG (SRG/2020/001795), **Amount Applied for:** 13,57,800, **Duration:** 24 Months.

### **Dr. Pooja Swaroop Saxena**

9. **Project Title:** .Analysis of Different Types of SOTM System, Control & Tracking Algorithms and Simulation for Moving Vehicles, **PI: Dr. Brajlata Chauhan, CO- PI: Dr. Pooja Swaroop Saxena, Funding Agency & Scheme:** SERB, CRG (CRG/2020/003758), **Amount Applied for:** 29.88 Lakh, **Duration:** 03 yrs.

**Dr. Vinod Gupta & Dr. Jogendra Kumar**

**10. Project Title:** Study of Triple Diffusive Convection in Porous Media under Modulated Boundaries, **PI: Dr. Vinod Gupta Co-PI: Dr. Jogendra Kumar, Funding Agency:** SERB, CRG (CRG/2020/003539), **Amount Applied for: 20,07,495, Duration:** 36 Months.

**DEPARTMENT OF MECHANICAL ENGINEERING**

**Dr. Manoj Kumar & Dr. Anil Kumar Patil**

**11. Project Title:** Thermal performance of multi-tubular concrete heat storage system fitted with different geometries of inserts, **PI- Dr. Manoj Kumar, CO PI- Dr. Anil Kumar Patil, Funding Agency and Scheme -** SERB-DST, Core Research Grant, **Amount Applied for, Duration:** 1620000, **Duration:** 2 years

**DEPARTMENT OF PETROLEUM ENGINEERING**

**Dr. Tapas Kumar Dora & Suhil Porwal**

**12. Project Title :** Development of novel material “ Aerogel” from waste paper through insitu crosslinking of biodegradable material for treating the gunshot wound and other Engineering applications, **PI: Dr. Tapas Kumar Dora, Co-PI: Dr. Suhil Porwal, Funding Agency & Scheme :** SERB ( Core research Grant ), **Amount Applied For:** Rs. in lacs : 27.95, **Duration:** 36 Months.

**FACULTY OF PHARMACY**

**Dr. Havagiray Chitme**

**13. Title Project:** Whole Genome RNA Sequencing of Mural Granulosa Cells to Identify Genes Involved in Pathogenesis of Polycystic Ovary Syndrome, **PI: Dr. Havagiray Chitme, Funding Agency and Scheme** DST-SERB, CRG(CRG/2020/003701) **Amount Applied for:** 40.5 lakhs, **Duration:** 2 years



**14. Project Title:** DBT -BUILDER, **PI: Dr. Havagiray Chitme CO-PI Dr. Arti Chaturvedi,**  
**Funding Agency and Scheme:** DBT (Submitted Hard copy and haven't received any  
**acknowledgement from DBT), Amount Applied for:** 3.34 Crs, **Duration:** 3 years

**15. Project Title:** Pharmacological Evaluation of Anti-Inflammatory and Anti-Osteoarthritis  
Activity of Herbal Preparations. **PI: Dr. Havagiray Chitme, Funding Agency and Scheme:**  
NIF-India, (Submitted to NIF through E-mail; received acknowledgement), **Amount**  
**Applied for:** 11 Lakh, **Duration:** 12 month.

**Dr. Neeraj Kumar Sethiya & Dr. Sushil Kr. Choudhary**

**16. Project Title:** “Bioactivity guided screening and herbal formulation development for non-  
codified herbal leads from NIF repository for treatment of Calculi or urolithiasis, **PI: Dr.**  
**Neeraj Kumar Sethiya CO-PI, Dr. Sushil Kumar Chaudhary & Dr. Vaibhav Walia,**  
**Funding agency and Scheme:** NIF-India, (Submitted to NIF through E-mail; received  
**acknowledgement) Amount Applied for:** 12 Lakh, **Duration:** 24 month.

**Dr. Neeraj Kumar Sethiya & Dr. Sushil Kumar Chaudhary, Dr. Havagiray Chitme**

**17. Project Title:** Bioactivity guided fractionation of selected medicinal plants for tyrosinase  
inhibition activity used in cosmeceuticals ethno pharmacological, **PI: Dr. Neeraj Kumar**  
**Sethiya, CO-PI: Dr. Sushil Kumar Chaudhary & Dr. Havagiray Chitme, Funding agency**  
**& Scheme:** DST-India, Indo Sri Lanka Joint Research Programmes, **Amount Applied for:** 27  
Lakh, **Duration:** 36 month.

**Dr. Vaibhav Walia, Dr. Shailly Tomar, Dr. Neeraj Kumar Sethiya, Dr. Sushil Kumar Chaudhary**

**18. Project Title:** Development of Target specific therapeutic interventions for the Treatment  
of COVID-19 Infection. **PI: Dr. Vaibhav Walia, CO-PI: Dr. Shailly Tomar, Dr. Neeraj Kumar**  
**Sethiya, Dr. Sushil Kumar Chaudhary, Md. Ataul Islam, Funding agency & Scheme:** DST  
and CSIR-India, **Amount Applied for:** 49 Lakh, **Duration:** 12 month.

**Dr. Neeraj Kumar Sethiya, Dr. Sushil Kumar Chaudhary & Dr. Vaibhav Walia**

**19. Project Title:** Bioactivity guided fractionation, identification and isolation of  $\alpha$ -glucosidase  
inhibitor constituents from *Coccinia grandis*, *Diospyros malabarica*, *Kyllinga nemoralis* and  
*Solidago virgaurea*, **PI: Dr. Neeraj Kumar Sethiya , CO-PI: Dr. Sushil Kumar Chaudhary**

**& Dr. Vaibhav Walia, Funding agency:** DITU-India, **(Not received) Scheme:** Seed Grant, **Amount Applied for:** 1 Lakh, 60,000, **Duration:** 24 month.

**Dr. Neeraj Kumar Sethiya**

**20. Project Title:** Scouting and Documentation of Herbal Traditional Knowledge and Innovation from Grassroots People of Tehri and Pauri Garhwal District of Uttarakhand **PI:** Dr. Neeraj Kumar Sethiya, **CO-PI:** Mr Vijay Singh, **Funding agency:** NIF-India, **Amount Applied for:** 3 Lakh, **Duration:** 24 month.

**Dr. Manish Gupta**

**21. Project Title:** Functionalization of casein nanomicelles with palmitoyl groups for drug delivery application, **PI:** Dr Manish Gupta, **Funding agency:** SERB (SRG/2020/000682), **Amount Applied for:** 26,95,040/ INR, **Duration:** 36 Months.

**22. Project Title:** Design, Synthesis, Characterization and Biological evaluation of new 5FU-Octreotide conjugates for targeted chemotherapy, **PI:** Dr. Ashok Behera, **Co-PI:** Dr. Manish Gupta, **Funding Agency:** Pharmacy Department, DIT University, **Scheme:** Seed grant, SRG (SRG/2020/002298) **Amount Applied for:** 3.77 Lakh INR., **Duration :** 24 Months.

**Dr. Ashok Behera**

**23. Project Title:** Design, synthesis, biophysical and preclinical studies of novel conjugates as theranostic agent based on AIEgens with phytochemicals, **PI:** Ashok Behera, **Funding Agency & Scheme:** SRG 2020/002298, **Amount Applied for:** 2991560 INR, **Duration:** 2 years.

**24. Project Title:** "Synthesis, characterization and biological evaluation of Smart novel nanotheranostic for cancer" TAR/2020/000151, **PI:** Dr. Ashok Behera, **DST-SERB under TARE,** **Amount Applied for:** 15, 00, 000, **Duration:** 1 Year

**DEPARTMENT OF PHYSICS**

**Dr. Pankaj Chamoli, Dr. Ravi K Shukla & Dr. K.K Raina**

**25. Project Title:** Graphene-Lyotropic gel electrolytes interface for symmetric flexible high energy and power density supercapacitors, **PI:** Dr. Pankaj Chamoli **Co-PI:** Dr. Ravi K

**Shukla & Dr. K. K. Raina, Funding Agency: DST-SERB, Amount applied for: 39, 01, 480, Duration: 3 year.**

**26. Project Title:** Graphene Based Mesophasic Nanocomposites for Optical Switchable Windows and Devices, **PI: Dr. Ravi K. Shukla, Co-PI: Dr. Pankaj Chamoli, Co-PI: Dr. K.K. Raina, Funding Agency: CSIR , Amount applied for : 23.5 lakhs, Duration: 3 years**

## IV. PUBLICATIONS

### (a) RESEARCH PAPERS (PUBLISHED IN REFEREED JOURNALS)

#### DEPARTMENT OF CIVIL ENGINEERING

##### Dipika Keshri

1. **D. Keshri** "Identification of groundwater resource zone in the active tectonic region of Himalaya through earth observatory techniques", **Journal:** "*Groundwater for sustainable development*," Vol.10, pp. 100337, **Jan 2020**.

#### SCHOOL OF COMPUTING

##### Dr. Garima Verma

2. **G. Verma**, and H. Verma, "Model for predicting academic stress among students of technical education in India," *International journal of Psychosocial Rehabilitation*, Vol-24, no.4, pp. 2702-2714. (**Scopus Index**, H-Index -6) ISSN - 1475-7192. **DOI:** 10.37200/IJPR/V24I4/PR201378, **Mar 2020**.

##### Dr. Naredra Kumar & Dr. Anil Kumar Dahiya

3. **N. Kumar, A. K. Dahiya, K. Kumar**, "Modified Median Filter for Image Denoising," *International Journal of Advanced Science and Technology*, **Vol. 29, No. 4s, pp. 1495-1502, Mar 2020**.
4. **N. Kumar, A. K. Dahiya, K. Kumar**, "Image Restoration Using a Fuzzy-Based Median Filter and Modified Firefly Optimization Algorithm," *International Journal of Advanced Science and Technology*, **Vol. 29, No. 4, pp. 1471-1477, Mar 2020**

**Dr. Soumen Kanrar**

5. **S. Karnrar, S. Singha**, "Content delivery through hybrid architecture in video on demand system," *Ingénierie des Systèmes d'Information*, **Vol. 24, No. 3, pp. 289-301, Oct 2019.**

**Anuj Yadav & Dr. Ritika**

6. **A. Yadav, Ritika, M.L. Garg**, "Monitoring based Security approach for Cloud Computing", *Ingénierie des Systèmes d'Information*, **Vol. 24, No. 6, pp. 611-617, Dec 2019.**

**Nafees Akhtar Farooqui & Dr. Ritika**

7. **N. A. Farooqui, Ritika**, "An Advanced Machine Learning Technique for Wheat Disease Identification and Detection Process" in *International peer reviewed Journal, Bioscience Biotechnology Research Communication (BBRC), ISSN: 0974-6455*, vol.12, no. 4, pp. 1081-1091. [Indexed in Thomson Reuters/ Clarivate Analytics, ESCI (Web of Science), Publisher: Society for Science and Nature (SSN)]. **(Accepted), Dec 2019.**

**Afsar Jahan & Dr. Ritka**

8. **A. Jahan, Ritika**, "Time Efficient Round Robin Job Scheduling (NARR) in Cloud Computing," in *International Journal of Engineering and Advanced Technology (IJEAT) ISSN: 2249 – 8958*, Volume-9, no.1, Publisher: BEIES, **Oct 2019.**

**Pradeep Singh Rawat**

9. **P. S. Rawat et al.**, "Learning-Based Task Scheduling Using Big Bang Big Crunch for Cloud Computing Environment," *Recent Patents on Computer Science*, vol. -12, pp. 1-10, **Nov 2019.**
10. **P. S. Rawat and P. Gupta**, "Efficient Utilization of IaaS Cloud using Adaptive Evolution Based Technique," *International Journal of Innovative Technology and Exploring Engineering (IJITEE)*, vol. -8, pp. 677-691, **Oct 2019.**

**Aditi Sharma**

11. **A. Kumar, A. Sharma**, "Systematic Literature Review of Fuzzy Logic Based Text Summarization," *Iranian Journal of Fuzzy Systems*, vol. 16, issue 5, pp. 45-59, (SCIE, Impact Factor: 1.496) **Open Access, Oct 2019.**

**Nitin Thapliyal**

**12.N. Thapliyal, P. Dimri**, "Green Cloud Computing Strategies for Load Balancing," *Journal of Computational and Theoretical Nano science*, Vol.17, pp. 1–4. (Scopus), **Mar 2020**.

**Ajay Kumar & Dr. Rama Sushil**

**13.A. Kumar, R. Sushil, A. Tiwari**, "Feature Extraction and Elimination using Machine Learning Algorithm for Breast Cancer Biological Datasets," *SCOPUS indexed International Journal of Advanced Science & Technology (IJAST)*, vol. 29, issue 2, pp. 863-87, **Jan 2020**.

**14.A. Kumar, R. Sushil, A. K. Tiwari**, **(Dec 2019)**. "Significance of Accuracy Levels in Cancer Prediction using Machine Learning Techniques", *Biosci. Biotech. Res. Comm.*, vol.12, no.3, pp. 648- 654, Web of Science (Clarivate Analytics) - ESCI, <http://bbrc.in/bbrc/significance-of-accuracy-levels-in-cancer-prediction-using-machine-learning-techniques>

**Dr. Narendra Kumar & Dr. Anil Kumar**

**15.N. Kumar, A. Kumar, K. Kumar**, "Modified Median Filter for Image Denoising," *International Journal of Advanced Science & Technology (IJAST)*, vol. 29, no. 4, pp. 1495-1502, **Mar 2020**.

**16.N. Kumar, A. Kumar, K. Kumar**, "Image Restoration Using a Fuzzy-Based Median Filter and Modified Firefly Optimization Algorithm," *International Journal of Advanced Science & Technology (IJAST)*, vol. 29, no.4, pp. 1471-1477, **Mar 2020**.

**Dr. Sarvesh vishwakarma**

**17.S. Vishwakarma, A. Kumar**, "An efficient and secure identity based multiple signatures scheme based on RSA," *Journal of Discrete Mathematical Sciences and Cryptography*, vol. 22, issue 6, pp. 953-971, **Oct 2019**.

**Dr. Amit Kumar Mishra**

**18.H. Pandey, A. K. Mishra**, "A Depression Detection Model Based on Sentiment Analysis with Ensemble Classifier," *International Journal of Cognitive Informatics and Natural Intelligence (IJCINI)*, (Web of Science Emerging Sources Citation Index) (ESCI), Scopus, **(Accepted) Mar 2020**.

### **Pooja Gupta**

**19.P. Gupta** and V. K. Jain, "Interpretive Structural Modeling of GIoT enablers," *Journal of Information Technology Research*, vol.13, no.2, pp.129–140, <https://www.igi-global.com/article/interpretive-structural-modeling-of-giot-enablers/249221>, **Feb 2020**

**20.P. Gupta**, S. D. Sharma, S. D., A. K. Pathak, and A. Rawat, , "Affinity based VM Migration: Taxonomy and Challenges," *International Journal of Innovative Technology and Exploring Engineering*, vol. 8, no. 12, pp. 5799-5805, <https://www.ijitee.org/wp-content/uploads/papers/v8i12/L38621081219.pdf> **Oct 2019**.

### **Dr. Rama Sushil**

**21.R. Chakraborty, R. Sushil** and M. L. Garg. "Mutual-Inclusive Learning based Multi-Swarm PSO Algorithm for Image Segmentation using an Innovative Objective Function," *Int. J. of Computational Science and Engineering*, [Scopus]- **Accepted**. <http://www.inderscience.com/info/ingeneral/forthcoming.php?jcode=ijcse>, **Dec 2019**.

### **Sandeep Mandal & Dr. Rama Sushil**

**22.S. Mandal, R. Sushil**, "A low energy based event driven and secure node deployment protocol for **Wireless** Medical Sensor Network", *Bioscience Biotechnology Research Communications*, vol. 12, no. 1, pp. 169-173, **Dec 2019**, Thomson Reuters ESCI indexed journal. [http://bbrc.in/bbrc/2019Jan-March-Vol12-1-pdf/BBRC25\\_022.pdf](http://bbrc.in/bbrc/2019Jan-March-Vol12-1-pdf/BBRC25_022.pdf)

### **Dr. Anil Kumar & Dr. Rama Sushil**

**23.A. Kumar, R. Sushil**, A. K Tiwari, "Feature Extraction and Elimination using Machine Learning Algorithm for Breast Cancer Biological Datasets", *International Journal of Advanced Science and Technology* , vol.29, no.2, pp. 863- 873, monthly publication, scopus indexed, <http://sersc.org/journals/index.php/IJAST/article/view/3266/2238> **Feb 2020**.

### **Dr. Vishal Bharti & Dr. Amit Kumar Mishra**

**24.Paliwal, V. Bharti, A.K. Mishra**, "Machine Learning Combating DOS and DDOS attacks," *Journal of International Journal of Business Information System, Inderscience*, ISSN-1746-0980 [Scopus]- **(Accepted) Nov 2019**.

**Ajay Narayan Shukla & Dr. Vishal Bharti**

25. A. N. Shukla, V. Bharti, Garg, M.L., "A linked list-based exact algorithm for graph coloring problem," *Revue d' Intelligence Artificielle*, Vol.33, No.3, pp.189-195. <https://doi.org/10.18280/ria.330304> (Open Access), (Oct 2019).

**Dr. Rakesh Kumar Saini**

26. J. Sarita, R.K. Saini, "A Survey on Air Pollution Monitoring using Internet of Things," *International Journal of Control and Automation*, Scopus indexed journal, Vol.13, No.2, pp. 137-146, Mar 2020.
27. R.K. Saini, M. Singh, "Discussion on Quality Monitoring of Water by Wireless Sensor Networks," *International Journal of Innovative Technology and Exploring Engineering (IJITEE)*, Scopus indexed journal, Vol.9, Dec 2019.
28. R. K. Saini, M. Saini, "Internet of Things (IoT) Applications and Security Challenges: A Review." *International Journal of Engineering Research & Technology (IJERT)*, Vol.7, Dec 2019.
29. R.K. Saini., "Artificial Intelligence Techniques to Prevent Cyber Attacks, In International Journal for Modern Trends in Science and Technology," *Elsevier SSRN*, Scopus, Vol.5, pp.12-15, Dec 2019.

**Amit Dua & Dr. Rakesh Kumar Saini**

30. C. Prakas, A. Dua, R.K. Saini, "IoT Based Monitoring and Controlling of Motherboard Panel Controller in Computers," *International Journal of Scientific Research in Computer Science and Engineering*, Vol.7, pp.24-28, Dec 2019.
31. R.K. Saini, C. Prakash, A. Dua, "A Survey on Artificial Intelligence Techniques for Cyber Security," *Current Trends in Information Technology*. Vol.3, pp.5-13, Dec 2019.

**Dr. Rakesh Kumar Saini, Dr. Anil Kumar Dahiya & Priyanka Dahiya**

32. R. K. Saini, A.K. Dahiya, P. Dahiya," A Survey on Internet of Things (IoT) Applications and Challenges for Smart Healthcare and Farming," *Biosc.Biotech.Res.Comm, Emerging Source Citation*, (ESCI) Indexed Journal and UGC Approved Journal (Journal Indexed in Group "A" of UGC Care List Vol.12, Dec 2019.



**Afsar Jahan & Dr. Rakesh Kumar Saini**

- 33.A. Jahan, R. M., & R. K. Saini,** "Time Efficient Round Robin Job Scheduling (NARR) in Cloud Computing," *International Journal of Engineering and Advanced Technology*, ELSEVIER, **Scopus**, Vol.9, pp. 6912-6917, **Nov 2019**.

**HUMANITIES & LIBERAL ARTS**

**Dr. Kiran Badoni Mamgain**

- 34.K.B. Mamgain, (Jan 2020).** "Thomas Hardy's Tess: Marginalized Voice of Modern Women," *Studies in Indian Place Names*, ISSN: 2394-3114, Vol-40-no.1, Mysore.  
[https://archives.tpsindia.org/index.php/sipn/article/view/86#\\_edn1](https://archives.tpsindia.org/index.php/sipn/article/view/86#_edn1)
- 35.K.B. Mamgain, (Jan-2020).** "Ode to Nightingale by John Keats," *A Conflict between Escapism and Realism* in ISSN: 0474-9030, Vol-68-no.1, Mysore,  
<https://archives.ourheritagejournal.com/index.php/oh/article/view/1136>
- 36.K.B. Mamgain, (Jan-2020).** "Sense of Belongingness in Rabindranath Tagore's the Postmaster," in *Our Heritage journal*. ISSN: 0474-9030, Vol-68- Issue-1, Mysore  
<https://archives.ourheritagejournal.com/index.php/oh/article/view/1136>

**Dr. Arun Pratap Singh**

- 37.D. Sonker, A. P. Singh,** "Effectiveness of 7-days practice of Anuloma-Viloma Pranayama for Mental Health Promotion of Elderly Wodows living in a shelter home," *Saamajik Vimarsh*, Vol.2, pp. 1-13, no.1, DOI: 10.1177/2581654319879552, **New Delhi. Oct 2019**.

**Dr. Ajay Kumar Singh**

- 38. A.K. Singh, J.B Singh, P. Sharma,** "Assessing the climate change impact on rice and wheat production in Uttar Pradesh and Haryana states of India," *Climate Change*, Vol.6, no.21, pp.74-93, (Open Access), **Jan 2020**.
- 39.A.K. Singh A. Arya, B. Jyoti,** "A conceptual review on economic, business, intellectual property rights and science & technology related activities in Asian economies," *JNNCE Journal of Engineering & Management*, Vol.3, no.2, pp.1-22, (Open Access), **Dec 2019**.
- 40.A.K. Singh., S.N, Ashraf and A. Arya,** "Estimating factors affecting technical efficiency in Indian manufacturing Sector," *Eurasian Journal of Business and Economics*, Vol.12, no.24, pp.65-86, (Open Access), **Nov 2019**.



**41.A.K. Singh**, "Critical issues of agriculture and rural development in India, "*EC Agriculture*, Vol.6, no.2, pp.1-3, (Open Access), **Jan 2020**.

## **FACULTY OF MANAGEMENT STUDIES**

### **Dr. Hemraj Verma & Dr. Vijay Kumar Jain**

**42.H. Chauhan, H. Verma, V.K. Jain**, "Is charity a new tool for branding," *Test Engineering & Management*, Vol.82, pp.7953 – 7960, **Feb 2020**.

### **Dr. Vijay Kumar Jain, Dr. Pankaj Kumar & Dr. Praveen Dube**

**43.V.K. Jain, P. Kumar, P. Dube, P. Rawat**, "Decision Making Framework using Interpretive Structural Modeling (ISM) and Analytic Hierarchy Process (AHP) Method: Millennials and Sustainable Consumption," *Test Engineering and Management*, Vol.82, pp.6089-6098. **Feb 2020**.

**44.V.K. Jain, P. Kumar, P. Dube**, Examining the Role of Social Capital, Sustainability Orientation and Self-efficacy in Entrepreneurial Intention among Indian Students," *International Journal of Recent Technology and Engineering*, Vol.8, no.4, **Dec 2019**.

### **Dr. Vijay Kumar Jain**

**45.Pooja, V.K. Jain**, "Modeling enablers of Green IOT using Interpretive Structural Equation Modeling," *Journal of Information Technology Research*, Vol.13, no.4, pp.129-140. **Dec 2019**.

### **Kaushik Silky**

**46.S. Kaushik, N.S. Chauhan** "Post-Merger Performance of Selected Acquiring Companies in India," *International Journal of Psychosocial Rehabilitation*, Vol.24, issue no.6, pp.4804-4182, **Mar 2020**.

### **Dr. Hemraj Verma**

**47. H.Verma** , "Hybrid Deep Learning Model for Emotion Recognition using Facial Expressions," *Channelizing Employee Productivity" Test Engineering and Management Journal*, Vol.82, pp. 8224 – 8226.

**48.H.Verma**, "Is Charity a New Tool of Branding," *Test Engineering & Management*, Vol.82, pp.7953 – 7960. **Fab 2020**.

## **DEPARTMENT OF MECHANICAL ENGINEERING**

### **Dr. Manoj Kumar & Dr. Anil Kumar Patil**

- 49.A. Choudhary, **M. Kumar, A.K. Patil**, S. Chamoli, "Enhanced thermal and fluid flow performance of cross flow tube bank with perforated splitter plate," *Experimental Heat Transfer*, pp. 1-13, **Mar 2020**.
50. D Kumar, **A.K. Patil, M. Kumar**, "Experimental investigation of heat transfer and fluid flow in a circular tube with lanced ring insert," *Experimental Heat Transfer*, pp. 1-12, **Nov 2019**.

## **FACULTY OF PHARMACY**

### **Dr. Sushil Kr. Choudhary**

- 51.A. Shakya, **S. K. Chaudhary**, H.R. Bhatt, N. Gogoi, S. K. Ghosh, "A rapid HPTLC method to estimate quercetin in Benincasa hispida (Thunb.) Cogn. fruit pulp," *Journal of Planar Chromatography - Modern TLC*, 2019; Vol.32, no.6, pp. 467-474, DOI: 10.1556/1006.2019.32.6.4), **Impact Factor: 0.826, Dec 2019**.

### **Manish Gupta**

- 52.Li Ching Ng, **M. Gupta**, "Transdermal drug delivery systems in diabetes management: A review," *Asian Journal of Pharmaceutical Sciences*, Vol. 15, no. 1, pp. 13-25, ISSN 1818-0876, <https://doi.org/10.1016/j.aips.2019.04.006>.(Open Access) **[IF-4.01]** , **Jan, 2020**.

### **Dr. Habban Akhter**

53. **H. Akhter**, S. Nomani, S. Kumar, "Sonication tailored enhances cytotoxicity of naringenin nanoparticle in pancreatic cancer," *Design, optimization, and in vitro studies, Drug Dev Ind Pharm*. Vol.8, pp.1-14, **[IF2.30]**. <https://doi.org/10.1080/03639045.2020.1747485> **Mar, 2020**.
54. S. Kriti, A. Mujtaba, **H. Akhter**, A.Zafar, K. Kohli, "Optimisation of ethosomal nanogel for topical nano-CUR and Sulphoraphane," *delivery in effective skin cancer therapy. J Microencap*, Vol. 37, pp.91-108, [Taylor & Francis] **[IF-2.08]**, **Dec 2019**.

55.J. Ahmad, Aameeduzzafar, M.Z. Ahmad, **H. Akhter**, "Surface-Engineered Cancer Nanomedicine," *Rational Design and Recent Progress. Current Pharm Design*, DOI:10.2174/1381612826666200214110645. [IF-2.83] **Feb 2020**.

**Deepika Sharma, Samir Bhargava & Dr. Bhavna**

56.D. Sharma, S. Bhargava, Bhavna, (**Dec 2019**). "Formulation and Optimisation for DPP4 ," *nanomicelles using Response Surface Methodology*, **Drug Dev Ind Pharm**. Vol. 46, no. 1, pp. 70-79, <https://doi.org/10.1080/03639045.2019.1701003> [IF 2.30].

**Samir Bhargava & Dr. N.V. S. Madhav**

57.S. Bhargava, N.V. Satheesh, (2020). "Cyclosporine A loaded nanoemulsions using bio-oil fractions of Sesame oil," *Indi J Pharm Edu Res*, Vol.54, no.2, pp.357. <https://doi.org/10.5530/ijper.54.2.41> (IF-0.5) - **Open Access**

**DEPARTMENT OF PHYSICS**

**Dr. Ravi Kumar Shukla & D. Kuldeep Kumar Raina**

58.R.K. Shukla, K.K. Raina, "Structural, thermal, dielectric and optical behaviour investigations of water-free ZnO/lyotropic liquid crystal nanocolloids" *Liquid Crystals*, pp.1-11, **Oct. 2019**.

**Dr. Ravi Kumar Shukla & Dr. Kuldeep Kumar Raina**

59.A. Chaudhary, R.K. Shukla, P. Malik, R. Mehra, **K. K. Raina**, "ZnO/FLC nanocomposites with low driving voltage and non-volatile memory for information storage applications", *Current Applied Physics*, Vol.19, pp.1374-1378, **Oct 2019**.

60. R.K. Shukla, K.K. Raina, "Temperature-dependent dielectric dynamics, relaxation, and conductivity behaviour of aqueous and nonaqueous lyotropic liquid crystalline phases", *Soft Materials*, pp.1-10, **Jan 2020**.

61.R. K. Shukla, A. Chaudhary, A. Bubnov, V. Hamplova, **K.K. Raina**, "Electrically switchable birefringent self-assembled nanocomposites: ferroelectric liquid crystal doped with the multiwall carbon nanotubes", *Liquid Crystals*, pp.1-11, **Jan 2020**.

**Dr. Pankaj Chamoli, Dr. Surbhi Sachdev & Dr. Kuldeep Kumar Raina**

62. P. Singh, **P. Chamoli, S. Sachdev, K.K. Raina, R.K. Shukla**, "Structural, optical and rheological behaviour investigations of graphene oxide/glycerol based lyotropic liquid crystalline phases", *Applied Surface Science*, Vol. 509, pp.144-710, **Nov 2019**.

63. P. Singh, **P. Chamoli, S. Sachdev, K.K. Raina, R.K. Shukla**, "Urea and cow urine-based green approach to fabricate graphene-based transparent conductive films with high conductivity and transparency," *Materials Chemistry and Physics*, Vol. 242, , pp. 122465, **Feb 2020**.

**Natasha Awasthi**

64. **N. Awasthi**, S. Haseli, U.C. Johri, et al., "Quantum speed limit time for correlated quantum channel," *Quantum Inf Processing*, vol. 10, p.p.10, **Nov 2019**.

**Dr. Pankaj Chamoli & Dr. Kuldeep Kumar Raina**

65. **P. Chamoli**, T. Srivastava, A. Tyagi, **K.K. Raina**, and K. K. Kar,"Urea and cow urine-based green approach to fabricate graphene-based transparent conductive films with high conductivity and transparency", *Materials Chemistry and Physics*, Vol. 242, pp. 122465, **Feb 2020**.

## **(b) BOOK CHAPTERS**

### **SCHOOL OF COMPUTING**

**Dr. Vishal Bharti & Dr. Amit K Mishra**

1. S. Paliwal, **V. Bharti and A.K. Mishra**, **(Jan 2020)** "Ai Chatbots: Transforming the Digital World", *Recent Trends and Advances in Artificial Intelligence and Internet of Things*, *SPRINGER Intelligent Systems Reference Library*, Vol.172, <https://doi.org/10.1007/978-3-030-32644-9-34>.
2. S.Paliwal, **V.Bharti, A.K.Mishra**, "Changing outlook of security and privacy with approaches of Deep Learning," in *Trends in Deep Learning Methodologies*, R. Srivastava, Elsevier, [Scopus] **(Accepted) Mar 2020**.

**Dr. Vishal Bharti**

3. Prabhsimar Kaur and **Vishal Bharti**, **(Jan 2020)**. "Applications of Smart Devices", *Recent*

*Trends and Advances in Artificial Intelligence and Internet of Things*, SPRINGER Intelligent Systems Reference Library, Vol.172, <https://doi.org/10.1007/978-3-030-32644-9-34>

#### **Dr. Ritika**

4. **R. Mehra**, "Mohit Iyer, Book Chapter in Advancement of Artificial Intelligence in Healthcare Engineering titled" *AI-driven Prognosis and Diagnosis for Personalized Health Care Services- A Predictive Analytic Perspective*". Publisher IGI Global DOI: 10.4018/978-1-7998-2120-5.ch008 Part of ISBN: 9781799821205 ISSN: 2328-1243, **March 2020**.

#### **Dr. Ritika & Nafees Akhtar Farooqui, Ankita Tyagi**

5. **R. Mehra, N. A. Farooqui, A. Tyagi**, Handbook of Wireless Sensor Networks: Issues and Challenges in Current Scenario titled "*Data Mining and Fusion Techniques for Intelligent Wireless*", ASIC Springer Series. DOI: 10.1007/978-3-030-40305-8\_28 ISBN: 9783030403041 ISSN: 2194-5357, **March 2020**.

#### **Aditi Sharma**

6. **A. Sharma, D. Jain**, "Development of Industry 4.0", in *A Roadmap to Industry 4.0: Smart Production, Sharp Business and Sustainable Development*, A. Nayyar, A. Kumar, Eds. Springer, **2020**, pp. 23-38.

#### **Dr. Bharti Sharma**

7. **B. Sharma, A. Singh**, "Deep Reinforcement Learning for Wireless Network, "*Machine Learning and Cognitive Computing for Mobile Communications and Wireless Networks*, Scrivener Publishing, Wiley, **November 2019. (In press)**.

#### **Dr. Bharti Sharma & Dr. Ritika**

8. **B. Sharma, R. Mehra, R.**, "IOT for Transportation, Mobility, and Traffic Control, "*CRC Press (Taylor & Francis Group)*, **2020. (Accepted)** (in Press)

#### **Dr. Amit Kumar Mishra**

9. A. Srivastav, **A. K. Mishra**, "Advances in Computational Linguistics and Text Processing Frameworks", in *Handbook of Research on Engineering Innovations and Technology Management in Organization*", IGI Global, **March 2020** [Scopus]- **(Accepted)**
10. H. Khan, **A. K. Mishra**, "Use of Classification Algorithms in Healthcare", in *Big Data Analytics and Intelligence: A Perspective for Health Care*, Emerald Group Publishing, **March 2020** [Scopus] - **(Accepted)**

**Dr. Rakesh Kumar Saini**

11. **R. K. Saini**, M. Saini, "The Importance of Internet of Things (IoT): Applications and Security Challenges in Book titled," *In LoRA and IoT Networks for Applications in Industry 4.0*, nova Science publishers BBB Rating: A+ (USA), Series: Computer Science, Technology and Applications, BISAC: COM043000, ISBN: 978-1-53617-164-8, **Nov 2019. (Accepted)**

**HUMANITIES & LIBERAL ARTS**

**Dr. Vikas Kumar Sharma**

12. **A. Nath, V.K. Sharma**, Rising suicidal tendency among youth: A review. In M. Banu, U.S. Singh & M. Faheem (Eds.), *Evolving Narratives in Humanities and Management* (pp. 111-116). New Delhi, ND: New Delhi Publishers (ISBN: 978-93-88879-00-2) **March 2019.**

**FACULTY OF PHARMACY**

**Manish Gupta**

13. F.A Shaikh, K.C. Bhuvan, T.T. Htar, **M. Gupta** and Y. Kumari (**October 24th 2019**). Cognitive Dysfunction in Diabetes Mellitus [Online First], IntechOpen, DOI:=10.5772/intechopen.85940. Available from: <https://www.intechopen.com/online-first/cognitive-dysfunction-in-diabetes-mellitus>.

**DEPARTMENT OF PHYSICS**

**Dr. Pankaj Chamoli & Dr. Kuldeep Kumar Raina**

14. **P. Chamoli**, S. Banerjee, **K.K Raina**, K. K. Kar, "Characteristics of Graphene/Reduced Graphene Oxide" *Handbook of Nanocomposite Supercapacitor Materials: Characteristics*, K. K. Kar, Springer International Publishing **2020**, XXI, 476.

## (c) CONFERENCE / SYMPOSIUM / WORKSHOP PROCEEDINGS

### DEPARTMENT OF CIVIL ENGINEERING

#### Dr. Tarumay Ghoshal

1. **T. Ghoshal**, Conference and session chaired “Challenges in Earth System Sciences for Global Sustainability (CESSGS),” *Climate Change and Sustainable Development*, IIT **Kharagpur**, **15-16 Jan 2020**.

### SCHOOL OF COMPUTING

#### Dr. Debopam Acharya

2. N.Kumar, A.Barthwal, D.Lohani, **D.Acharya**. “Modeling IoT Enabled Automotive System for Accident Detection and Classification”, in *15th IEEE Sensors Applications Symposium (IEEE SAS)*, Kuala Lumpur, Malaysia, **March 2020**.
3. K.Rastogi, A.Barthwal, D.Lohani, **D.Acharya**, "An IoT-based Discrete Time Markov Chain Model for Analysis and Prediction of Indoor Air Quality Index", in *15th IEEE Sensors Applications Symposium (IEEE SAS)*, Kuala Lumpur, Malaysia, **March 2020**.
4. N.Kumar, A.Barthwal, D.Lohani, **D.Acharya**, “Vehicle Fall Severity Modeling using IoT and k-Nearest Neighbor Algorithm”, in *12th International Conference on Communication Systems & Networks (IEEE COMSNETS)*, Bengaluru, Jan India, **March 2020**.
5. K.Rastogi, D.Lohani, **D.Acharya**, "An IoT-based System to Evaluate Indoor Air Pollutants Using Grey Relational Analysis", in *12th International Conference on Communication Systems & Networks (IEEE COMSNETS)*, Bengaluru, India, **January 2020**.
6. N.Kumar, D.Lohani, **D.Acharya**, "Modeling IoT Based Automotive Collision Detection System using Support Vector Machine", in *International Conference on Recent Trends in Machine Learning, IOT, Smart Cities & Applications (ICMISC 2020)*, Springer, Hyderabad, Telangana, India, **March 2020**.
7. N.Kumar, A.Barthwal, **D.Acharya**, D.Lohani, "Modeling Vehicle Fall Detection Event Using Internet of Things", in: Thampi S., Trajkovic L., Li KC., Das S., Wozniak M., Berretti S. (eds) *Signal Processing and Intelligent Recognition Systems (SIRS'19)*, *Communications in Computer and Information Science (CCIS)*, Vol 1208. Springer, Singapore., **December 2019**.

**Dr. Neeraj K Pandey**

8. **N.K.Pandey**, M.Diwakar “A Review on Cloud based Image Processing Services”, in *07th International Conference on Computing for Sustainable Global Development (14th INDIACom, , New Delhi, 2020*, pp-204-209.

**Ajay Narayan Shukla:**

9. Charu Negi, **A. N. Shukla**, “An approach for solving the graph coloring problem using adjacently matrix”, in *International IEEE Conference, SMART, Moradabad, India, Nov 2019*.

**Sandhaya Adhikari & Garima Verma**

- 10.**G.Verma, S. Adhikari**, “Machine Learning Model for Prediction of Stress Levels in Students of Technical Education,” in *International Conference on Applied Mathematics and Computational Sciences, DIT University, Dehradun, Oct 2019*.

**Dr. Arshad Husain, Aditya Dev Mishra & Sisir Kumar Jena**

- 11.**A. Husain, A. D. Mishra, S. K. Jena**, “A robust approach for digital watermarking of satellite imagery dataset “,*International Conference on Paradigms of Computing, Communication and Data Sciences, NIT Kurukshetra, India, March 2020*.

**Sisir Kumar Jena, Dr. Arshad Husain & S.K Srivastava location**

- 12.**S. K. Jena**. “Fault Classification based Approximate Testing of Digital VLSI Circuit,” in *International Conference on Electronics Systems and Intelligent Computing, IIT Kharagpur, India, March 2020*.

- 13.**S. K. Jena, S. K. Srivastava, A. Husain**. “Analysis and Redesign of Digital Circuits to Support Green Computing Through Approximation,” in *International Conference on Paradigms of Computing, Communication and Data Sciences, NIT Kurukshetra, India, March 2020*

**Dr. Vishal Bharti & Dr. Srabanti Maji**

- 14.**P. Kaur, V. Bharti, S. Maji**, “Comparison of Machine Learning Approach in Smart Wearables”, *IEEE Conference on Electrical and Computer Engineering (WITCON ECE) WIT, Dehradun India, November, 2019*.



**15.P. Kaur, V. Bharti, S. Maji**, “Naïve Bayes Algorithm for Prediction of Epileptic Disorders”, *International Conference on Applied Mathematics and Computational Sciences- (ICAMCS-19)*, Dehradun India, SPRINGER .**Oct 2019**.

**Dr. Vishal Bharti & Dr. Amit K Mishra**

**16.S. Paliwal, V. Bharti, A. K. Mishra**, “Artificial Intelligence: A revolution in world of Pharmaceuticals”, *APTICON –, DIT University Dehradun, Abstract published as proceedings with IJPSR (Web of Science)*, **October, 2019**.

**Dr. Arshad Husain & S.K Jena**

**17.A.Husain, A. D. Mishra, S. K. Jena**. "A robust approach for digital watermarking of satellite imagery dataset," in *International conference on paradigms of computing communication and data sciences*, NIT Kurukshetra, NIT Kurukshetra, India, **20 March 2020**.

**Anurag Srivastava**

**18.A. Srivastava**, “Presented a Research paper”, in *International Conference on Computational Methods in Science & Technology (ICCMST)*, Mohali, Chandigarh, India, **2020**.

**Rohit Tyagi**

**19.T. Rohit, G. Nishchal, D. Sonika**, “Streamlining choice of CNNs and structure framing of convolution layer,” in *Conf. Soft Computing: Theory and Applications, (SoCTA) – December 2019*), NIT Patna, Bihar, India.

**Pradeep Rawat**

**20.P. Rawat, P. Gupta**, “Efficient Utilization of IaaS Cloud using Adaptive Evolution Based Technique”, *International Conference on Advances in Technology, Management and Sciences (IATMS)*, the American College of Dubai, UAE on **October 30-31, 2019**.

**Dr. Bharti Sharma**

**21.M. Mehdi, and B. Sharma**, (2019). Comparison between data mining Algorithms on Cancer Data sets using python: A Survey. In *8th International Conference on System Modeling & Advancement in Research Trends (SMART)*, IEEE, **22nd–23rd November, 2019**).

**Dr. Amit Kumar Mishra**

22. Y. Gupta and A. K. Mishra, "Employee Turnover Prediction System," *2019 4th International Conference on Information Systems and Computer Networks (ISCON)*, Mathura, India, **Nov 2019**, pp. 391-394. [IEEE explore].

**Dr. Rakesh Kumar Saini & Naveen Kumar**

23.1. R. K. Saini, N. Kumar, "Yoga for Stress, Anxiety and Depression: A Review", *In International conference on Yog for Global Harmony (ICYGH-2019) organized by The Shriram yog Prashikshan Evam Anusandhan Society, India and Sadhnaway Yoga Center, Canada*, ISBN - 978-93-89844-24-5, Dubai, UAE, **Dec 2019**.

24.2. S. Tyagi, N. Kumar, R.K. Saini, "Energy-Saving Sensors for Precision Agriculture in Wireless Sensor Network: A Review", *In International conference on Electrical & Computer Engineering (WITCON ECE)*, **IEEE** Conference organized by Women Institute of Technology (WIT), UTU Campus, Dehradun, Uttarakhand, **Nov 2019**.

**Dr. Rakesh Kumar Saini**

25. R.K. Saini, H. Gupta, "A Survey on Artificial Techniques for Cyber Security", *In IEEE-COER-2019 International conference on Artificial Intelligence and Applications* organized by College of Engineering Roorkee, Uttarakhand, **Nov 2019**.

26. R.K. Saini, M. Singh, "A Survey on Quality Monitoring of Water by Wireless Sensor Networks", *In International conference on Advances in Technology, Management and Sciences (iATMS-2019)* organized by The American College of **Dubai, UAE, Oct 2019**.

**HUMANITIES & LIBERAL ARTS**

**Dr. Sanjaya Kumar Lenka**

29. S.K. Lenka, "The relationship between financial inclusion and financial development in India: Is there any link?" *in 56<sup>th</sup> Annual conference of The Indian Econometric Society (TIES)* organized by Madurai Kamaraj University at Madurai, India, **Jan, 2020**.

**Dr. Kiran Badoni Mamgain**

**30. K. B. Mamgain**, “Socio-cultural Exclusion: Healthcare challenges faced by Transgender and Non-binary population in India”, in *International Conference in Dialogue with Mahatma Gandhi*, University of Delhi, **Nov, 2019**.

**Dr. Arun Pratap Singh**

**31. A. P. Singh**, “Gandhian perspective of human nature: Implications for youth counselling” in *International Conference in Dialogue with Mahatma Gandhi*, University of Delhi, **Nov, 2019**.

**FACULTY OF MANAGEMENT STUDIES**

**Dr. Vijay Jain & Dr. Hemraj Verma**

**32. A. Gupta, V. Jain & H. Verma**. “Green consumption behaviour of youngster in India” in *International Conference on Business Interventions for Effective Management of Technology and Innovation*, IIM Sirmaur HP, India, **Mar 2020**.

**Dr. Praveen Dube Dr. Vijay Jain**

**33. A. Singal, P. Dube, V. Jain**, “Open Banking: Risks & Challenges” in *International Conference on Business Interventions for Effective Management of Technology and Innovation*, New Delhi India, **Mar 2020**.

**Dr. Vijay Jain**

**34. A. Dhaiya, V. Jain**, “Examining T the Role of Social Capital in Determining Entrepreneurial Intentions” in *PAN IIM World Management Conference on Public Policy & Management: Emerging Issues @IIM, Rohtak*, **Dec 2019**.

**Dr. Praveen Dube**

35. A. Singal, **P. Dube**, “Comparison of NPA in Banking” in *PAN IIM World Management Conference on Public Policy & Management: Emerging Issues @IIM, Rohtak, Dec 2019*.

**Department of MECHANICAL ENGINEERING**

**Dr. Manoj Kumar & Dr. Anil Kumar Patil**

36. B. Kumar, **M. Kumar, A. K. Patil**, “Experimental investigation of heat transfer enhancement using perforated twisted tape inserts with multiple V cuts in a heat exchanger,” *Proceedings of the 25th National and 3rd International ISHMT-ASTFE Heat and Mass Transfer Conference (IHMTTC-2019), IIT Roorkee, Roorkee, India. Dec, 2019*.

**Dr. Subodh Kumar**

37. **S. Kumar**, B. Bhardwaj, V. Sharma, S. S. Bhadauria, “Influence of welding speed on the metallurgical and corrosion performance of AISI 316 SS welded joints” *has been accepted in the International Conference on Industrial and Manufacturing Systems (CIMS 2020) during June 26-28th, 2020 at Dr. B R Ambedkar National Institute of Technology, Jalandhar Punjab.*
38. B. Bhardwaj, **S. Kumar**, V. Sharma, S.S. Bhadauria, “Effect of friction welding conditions on the mechanical properties of welded joints during welding of dissimilar materials” *has been accepted in the International Conference on Industrial and Manufacturing Systems (CIMS 2020) during June 26-28th, 2020 at Dr. B R Ambedkar National Institute of Technology, Jalandhar Punjab.*

**DEPARTMENT OF PETROLEUM ENGINEERING**

**Gaurav Richhariya**

39. **G. Richhariya**, International Conference on Innovative Engineering Design, **Dehradun, 18-20 January 2020**.

## **FACULTY OF PHARMACY**

### **Dr. Havagiray R. Chitme**

40. Tina Das and **Havagiray R. Chitme**, Maternal and Neonatal Complications Reported in and Around Dehradun., *24<sup>th</sup> Association of Pharmaceutical Teachers of India Convention*, **11-13<sup>th</sup> October, 2019, Dehradun, India.**
41. **H. R. chitme**, Design, synthesis, molecular modeling, docking and invitro study of Somatostatin receptor (SSTR) analogs. *24<sup>th</sup> Annual Convention of Association of Pharmaceutical Teachers of India*, APTICON-2019 hosted by DIT University and APTI-Uttarakhand state branch from **11-13<sup>th</sup> October, 2019**, IJPSR, ISSN (ONLINE) 09758232.

### **Dr. Manmohan Singhal**

42. **M. Singhal**, Presentation on "Prevalence, risk factors & medication of pregnancy induced hypertension in Uttarakhand" in *APTICON- 2019*, at DIT University, Dehradun (**Dr. Manmohan Singhal**). **11-13<sup>th</sup> October, 2019.**

### **Dr. Abhijeet Ojha, Dr. Harish Chandra, Dr. N.V Satheesh Madhav, & Dr. Bhavna**

43. S. Raj, **A. ojha, H. Chandra, N.V. Madhav, Bhavna**, A dermal delivery for aceclofenac liposomal formulation. Pg124," conference proceeding of *24<sup>th</sup> Annual National Convention of Association of Pharmaceutical Teachers of India (APTICON 2019)*, organized by Faculty of Pharmacy, **DIT University, Dehradun, Uttarakhand, India. International Journal of Pharmaceutical Sciences and Research.** ISSN (Online): 0975-8232, ISSN (Print): 2320-5148. Impact factor 0.83 (**Proceeding**). **11-13<sup>th</sup> October, 2019.**

### **Deepika Sharma & Dr. Bhavna**

44. **D. Sharma Deepika, Bhavna**, "Development of Pullulan Based Nanomicelles for Targeting Gliptins. Pg.128. conference proceeding," of *24<sup>th</sup> Annual National Convention of Association of Pharmaceutical Teachers of India (APTICON 2019)*, organized by Faculty of Pharmacy, **DIT University, Dehradun, Uttarakhand, India. International Journal of Pharmaceutical Sciences and Research.** ISSN (Online): 0975-8232, ISSN (Print): 2320-5148. Impact factor 0.83 (**Proceeding**). **11-13<sup>th</sup> October, 2019.**

**Dr. Madhav Satheesh N V & Dr. Bhavna**

45. A. Mishra, S. Negi, N.V **Madhav Satheesh, Bhavna**, Design and Development of Nano sized Valsartan Loaded Transdermal Film. Pg. 138. *conference proceeding of 24<sup>th</sup> Annual National Convention of Association of Pharmaceutical Teachers of India (APTICON 2019)*, organized by Faculty of Pharmacy, **DIT University, Dehradun, Uttarakhand, India. International Journal of Pharmaceutical Sciences and Research**. ISSN (Online): 0975-8232, ISSN (Print): 2320-5148. Impact factor 0.83 **(Proceeding). 11-13th October, 2019**

**Dr. Bhavna & Deepika Sharma**

46. **Bhavna**, D. Sharma, Eye to Brain an Approach to Target Neurodegeneration. Pg.140. *conference proceeding of 24<sup>th</sup> Annual National Convention of Association of Pharmaceutical Teachers of India (APTICON 2019)*, organized by Faculty of Pharmacy, DIT University, Dehradun, Uttarakhand, India. **International Journal of Pharmaceutical Sciences and Research**. ISSN (Online): 0975-8232, ISSN (Print): 2320-5148. Impact factor 0.83 **(Proceeding). 11-13th October, 2019**

**Dr. Bhavna**

47. H. Kothari, Y. Sharma, S. Raj, **Bhavna**, Formulation and evaluation of liposomal formulation for an antidiabetic drug. Pg. 145. *conference proceeding of 24<sup>th</sup> Annual National Convention of Association of Pharmaceutical Teachers of India (APTICON 2019)*, organized by Faculty of Pharmacy, DIT University, Dehradun, Uttarakhand, India. **International Journal of Pharmaceutical Sciences and Research**. ISSN (Online): 0975-8232, ISSN (Print): 2320-5148. Impact factor 0.83 **(Proceeding) 11-13th October, 2019**

**Shraddha M.Gupta Dr. Sushil Kr. Choudhary**

48. **S. M Gupta, S. K Chaudhary**, Neetesh K Jain, Poster presentation on 'Anti-inflammatory drugs in Alzheimer's disease: A preclinical analysis' at **APTICON-2019** held in DIT University, India, **11-13th October, 2019**.

## **DEPARTMENT OF PHYSICS**

**Dr. Pankaj Chamoli, Dr. Ravi Shukla & Dr. Kuldeep Kumar Raina**

- 49. P. Chamoli, R. K. Shukla, K. K. Raina,** "Rapid preparation of Graphene/ZnO Nanocomposites by Microwave irradiation for Water Purification" *26th National Conference on Liquid Crystals* (26th NCLC - 2019), Chitkara University, Punjab, India. pp-66-67, **Oct 21-23 2019.**
- 50. K. Saini, P. Chamoli, R. K. Shukla, and K. K. Raina,** "Microwave-assisted exfoliation of Natural flake graphite for Photocatalytic Activity against Methylene blue," *Conference on Carbon Materials, CCM-2019*, India Habitat Centre, New Delhi, India, **Nov, 2019.**
- 51. K. Saini, P. Chamoli, R. K. Shukla, K. K. Raina,** "Synthesis of Graphene Oxide for Photocatalytic Activity against Methylene blue, *26th National Conference on Liquid Crystals* (26th NCLC - 2019), Chitkara University, **Punjab, India, 2019**, pp.59-60, **Oct 21-23 2019.**
- 52. A. Negi, A. D. Awasthi, P. Chamoli, R. K. Shukla, K. K. Raina,** "A review on natural sorbents for oil-spills remediation" *26th National Conference on Liquid Crystals* (26th NCLC - 2019), Chitkara University, **Punjab, India, 2019** pp.38-39, **Oct 21-23 2019.**
- 53. A. D. Awasthi, A. Negi, P. Chamoli, R. K. Shukla, K. K. Raina,** "A review on carbon based absorbents and their capacities for oil-spills Remediation," *Conference on Carbon Materials, CCM-2019*, India Habitat Centre, New Delhi, India, 2019, **Nov 2019.**
- 54. A. Goyal, P. Chamoli, K. K. Raina and R. K. Shukla,** "Effect of Ecoli bacteria dispersion on lyotropic liquid crystalline phases derived from syzygium cumini (jamun)" *in Conf. 26th National conference on liquid crystal-2019* (NCLC-2019), Chitkara University, Punjab, 2019, pp.37-38, **Oct 21-23 2019.**
- 55. N. Duklan, P. Chamoli, K. K. Raina and R. K. Shukla** "Interaction of methyl blue dye with aqueous and nonaqueous lyotropic liquid crystals" *in Conf. 26th National conference on liquid crystal-2019* (NCLC-2019), Chitkara University, Punjab, 2019, pp.65. **Oct 21-23 2019.**

**56. Yogita, P. Chamoli, K. K. Raina and R. K. Shukla** “Natural surfactant as a lyotropic liquid crystals and reducing agent for graphene oxide” in *Conf. 26th National conference on liquid crystal-2019 (NCLC-2019)*, Chitkara University, Punjab, 2019, pp.91-92. **Oct 21-23 2019**

**Dr. Surbhi Sachdev & Dr. Pankaj Chamoli, Dr. Kuldeep Kumar Raina & Dr. Ravi Shukla**

**57. P. Singh, S. Sachdev, P. Chamoli, K. K. Raina, R. K. Shukla** “Graphene oxide lyotropic liquid crystals: a study on structural and rheological parameters” in *Conf. 26th National conference on liquid crystal-2019 (NCLC-2019)*, Chitkara University, Punjab, 2019, pp. 71-72. **Oct 21-23 2019.**

**Dr. Vishaka Kaushik**

**58. V. Kaushik, S. Pathak, H. Sharma** “A systematic study of the growth and characterization of few-layer graphene on Ni foils” *accepted in Materials Today Processing, Accepted*. Scopus Indexed, **March 2020**. <https://doi.org/10.1016/j.matpr.2020.01.468>

**59. P. Bamola, A. Bhoumik; C. Dwivedi, V. Kaushik, H. Sharma**, “Enhanced photocatalytic activity in TiO<sub>2</sub> mixed phase nanostructures” *accepted in Materials Today Processing*. Scopus Indexed, **March 2020**. [10.1016/j.matpr.2020.01.046](https://doi.org/10.1016/j.matpr.2020.01.046)

**Natasha Awasthi & Dr. Surbhi Sachdev**

**60. N. Awasthi, S. Sachdev** “Variation of Quantum Speed Limit with Correlated Channels” in *Conf. International Conference on applied mathematics and computational sciences*, DIT University, Dehradun, 2124. Easy Chair, **2019**.



## **(d) CONFERENCE / SYMPOSIUM / WORKSHOP INVITED TALKS**

### **FACULTY OF ARCHITECTURE & DESIGN**

#### **Ankita Gaur & Ar.Tejendra Nagabhoina**

1. **A. Gaur, T. Nagabhoina**, “Spatial Justice and Urban Transport Nodes” in *Urban ARC2020: Equal Cities*, Bangluru **16<sup>th</sup> Jan 2020**.

#### **Meghna Chatterji**

2. **M. Chatterji**, “Significance of vernacular architectural heritage of Uttarakhand” in *the workshop Explore Mussoorie at GMVN Mussoorie* **30<sup>th</sup> Dec 2019**.

#### **Vartica Saxena**

3. **V. Saxena**, “The visual comfort experienced through natural light in a workplace affects the productivity of its workers” in *International Conference on Future Cities* **11<sup>th</sup>- 13<sup>th</sup> Dec 2019**, IIT Roorkee.

#### **Aanchal Sharma**

4. **A. Sharma**, “Smart City Mission: A Pilot Study of Awareness of the Perceived Elements among Low Income Group of Dehradun”, in *4<sup>th</sup> International Conference on Construction, Real Estate, Infrastructure and Project Management*, **December 13<sup>th</sup> - 14<sup>th</sup>, 2019** at NICMAR, Pune, India.
5. **B. Agarwal, A. Sharma, S. Kulkarni**, “Socio Economic Impact Assessment of City Growth on Residents of Dehradun, Uttarakhand, India”, in *53<sup>rd</sup> International Conference of the Architectural Science Association*, **November 28-30, 2019** at Department of Architecture and Planning, IIT Roorkee, India.
6. **A. Sharma, P.S. Chani**, “Adaptive thermal comfort for naturally ventilated buildings through building envelope retrofitting”, in *53<sup>rd</sup> International Conference of the Architectural Science Association*, **November 28-30, 2019** at Department of Architecture and Planning, IIT Roorkee, India.

7. **A. Sharma** “Building Thermal Performance And Energy Demand In Cold Climate”, *at the round-table discussion on “Preparation of roadmap for residential building energy optimization and thermal comfort in cold climate (Uttarakhand)”*, organized by IIT Roorkee and AEEE with support from National Mission on Himalayan Studies (NMHS) and Ministry of Environment, Forests & Climate Change (MoEF&CC) on 1st **November 2019**, Lemon Tree Hotel, Dehradun.

## **DEPARTMENT OF CHEMISTRY**

### **Dr. Arti Chaturvedi**

8. **A. Chaturvedi**, Panelist Talk on ‘Impact of climate change on biodiversity’ *organized by WII*, Dehradun. **Nov.08, 2019**.

### **Dr. Naveen Singhal**

9. **N. Singhal**, IInd Uttarakhand Educator's Summit on **10th December 2019** organised by UTU, Dehradun india.
10. **N. Singhal**, International conference on Innovative Engineering Design – ICOIED-2020 Date – **18-20 January 2020**. Dehradun, India.
11. **N. Singhal**, workshop on “Air quality management of 30 cities and clean air knowledge network” organised by Clean Air Asia on **17th December 2019** at Delhi.
12. **N. Singhal**, Session-Chair in Seminar organized by the institution of Engineers **Uttarakhand** Chapter on Industry Academia Interface dated **7<sup>th</sup> march 2020**.

### **Dr. Jabrinder Singh**

13. **J. Singh**, One week DST sponsored workshop ‘Biodiversity conservation for scientists and technocrats’ organized by *Wildlife Instt. Of India*, Dehradun. **Nov. 4-8, 2019**.

## **SCHOOL OF COMPUTING**

### **Tarun Kumar**

17. **T. Kumar**, delivered motivational lectures on **Artificial Intelligence** for **SHPS, Haridwar, Uttarakhand** students on **20 November 2019**.
18. **T. Kumar**, delivered motivational lectures on **Artificial Intelligence** for **Montessori School, Dehradun, Uttarakhand** students on **2 December 2019**.
19. **T. Kumar**, delivered motivational lectures on **Artificial Intelligence** for **Maharishi Vidya Mandir, Kotdwara, Uttarakhand** students on **4 December 2019**.
20. **T. Kumar**, delivered motivational lectures on **Artificial Intelligence** for **Hayde Heritage Academy, Kotdwara, Uttarakhand** students on **4 December 2019**.

### **Dr. Anil Kumar Dahiya**

21. **A. Dahiya**, Session Chair IATMS, **American College of Dubai, Dubai, 30th October, 2019**.
22. **A. Dahiya**, Session Chair IC-VUCA-2019, MIET, Meerut, **November 23-24, 2019**.
23. **A. Dahiya**, Expert Lecture on Deep Lecture, IETE-Jaipur and Manipal university, Jaipur, **21<sup>st</sup> October, 2019**.

### **Dr. Rama Sushil**

24. **R. Sushil**, delivered an invited talk in IDPL Inter college, Rishikesh, on the topic "Computer Science in everyday life", **27 Feb 2020**.

### **Dr. Rakesh Kumar Saini**

25. **R.K. Saini**, Invited as Speaker/Session Chair Springer International Conference on "Evolving Technologies for Computing, Communication and Smart World (ETCCS-2020)" organized by Ministry of Electronics and Information Technology, Government of India CDAC Noida, India during Jan **31st - Feb 1st 2020**.
26. **R. K. Saini**, Invited as a guest lecture on "Demand of Database System in industries" for Swami Purnanand Degree College for technical education, Munni ke Reti, Rishikesh (Uttarakhand) on **14th March 2020**.

## **DEPARTMENT OF MATHEMATICS**

### **Dr. Nitin Kumar Kamboj**

27. **N.K. Kamboj**, delivered lectures in a workshop on Statistical computing using MS Excel at Christian Medical College **Ludhiana**, Punjab on dated **29th November 2019**.
28. **N.K. Kamboj**, Participated in ICSSR sponsored National Workshop/ Seminar On Role of Recent Applied Statistical Techniques in Interdisciplinary Research (RRAST) at HNBGU (A Central University), **Srinagar (G)** during **20-22 February, 2020**.
29. **N.K. Kamboj**, Participated in FDP on Statistical Techniques using Software at **Panjab** University, Chandigarh during **03-09 March, 2020**.

## **DEPARTMENT OF EECE**

### **Dr. Gagan Singh**

30. **G. Singh**, Invited Talk session on Smart Sensors and Their applications at Telcocrat Technologies, Mohali from **30-12-2019 to 01/01/2020**.

## **HUMANITIES & LIBERAL ARTS**

### **Dr. Vikash Kumar Sharma**

31. **V.K. Sharma**, Resource Person in Personal Contact Program of PG Diploma in *Yoga & Psychotherapy* from **04/02/20 to 06/02/20** at Dr. Hari Singh Gour University (A Central University), Sagar MP.

### **Dr. Arun Pratap Singh**

32. **A. p. Singh**, Chaired a technical session in an International Seminar on "*In Dialogue with Gandhi*" held at Shyamaprasad Mukherji College, Delhi University (**November, 8, 2019**)

## **FACULTY OF PHARMACY**

### **Dr. Bhavna**

33. **Bhavna**, Speaker in one day National symposium on "*Safe and effective medication*" **Nov 7<sup>th</sup>, 2019**, organized by DBIT (Dev Bhoomi Group of Institutes), Dehradun.

**Dr. Abhijeet Ojha**

**34.A. Ojha**, Speaker in Three days seminar for pharmacy week celebration at sunrise academy Dehradun on significance of size reduction in pharma industry, **19-21 November 2019**.

**DEPARTMENT OF PHYSICS**

**Dr. Ravi Kumar Shula**

**35.R. K. Shukla**, “Lyotropic liquid crystals for nano templating and dye Sequestration” in *Conf. 26<sup>th</sup> National conference on liquid crystal-2019 (NCLC-2019)*, Chitkara University, Punjab, 2019 **Oct 21-23 2019**.

**Dr. Vishaka Kaushik & Dr. Surbhi Sachdev**

**36.V. Kaushik & S. Sachdev et. al**, “Impact of edge functionalization on EFE of CNTs: A theoretical approach”, *International Conference on applied mathematics and computational sciences*, **October: 17-19 2019**, DIT University, Dehradun 2019.

**Dr. Vishaka Kaushik**

**37.V. Kaushik**, S. Pathak, H. Sharma “A systematic study of the growth and characterization of few-layer graphene on Ni foils” *International conference on Advanced materials and nanotechnology*, AMN 2020, **February 2020**, IIIT Noida, India.

**Natasha Awasthi**

**38.N. Awasthi**, “Variation of Quantum Speed Limit with Correlated Channels” in *Conf. International Conference on applied mathematics and computational sciences*. **October: 17-19, 2019**, DIT University, Dehradun 2019.

## (e) BOOK REVIEWS

### HUMANITIES & LIBERAL ARTS

#### Dr. Arun Pratap Singh

1. **A.P. Singh, Reviewed** book chapter “The Science and Art of Contemporary Breathwork and Yoga” in the book *Evidence-Based Perspectives on the Psychophysiology of Yoga and Its Applications* published by IGI Global. **Dec 2019.**
2. **A.P. Singh, Reviewed** book chapter “The Yoga of the Bhagavad Gita” for the book, *Evidence-Based Perspectives on the Psychophysiology of Yoga and Its Applications* published by IGI Global. **Jan 2019.**

#### Dr. Vikas Kumar Sharma

3. **V.K. Sharma, Reviewed** book chapter “Yoga as a healing modality of trauma-related symptoms and disorders: From suffering to thriving” in the book **Evidence-Based Perspectives on the Psychophysiology of Yoga and Its Applications** published by IGI Global. **November, 2019.**

## (f) CREATIVE WORK AND PERFORMANCE

### FACULTY OF ARCHITECTURE & DESIGN

#### Meghna Chatterji

1. **M. Chatterji**, FoAD students displayed products made of waste material during Diwali Exhibition in **Oct 2019**, Performed in the programme – “Annododhara”, organized in Railway Manoranjan Sadan, Bareilly.

### DEPARTMENT OF CHEMISTRY

#### Dr. Naveen Singhal

2. **N. Singhal**, COVID-19 – working as volunteer for needy people in **Dehradun**, Uttarakhand. **22 March** to till Now.

## **SCHOOL OF COMPUTING**

### **Aditi Sharma**

3. FDP on “Intellectual Property Rights” in **Feb 2020** at DIT University.
4. Workshop on “Document Preparation using Latex” in **Mar 2020** at DIT University.
5. Workshop on “Research Funding Avenues in India” in **Mar 2020** at DIT University.
6. Presented paper at “International Conference on Computing, Communications, and Cyber-Security” (IC4S 2019) organized by C-DAC Mohali. **Oct 2019**,

### **Mayank Shah**

7. **M. Shah** participated in FDP, **10-04-20** to **17-04-20**, organized by EICT Academy IIT Roorkee & Deptt. Of CSE, GEU Dehradun on “Machine Learning & its applications”.

## **(g) NEWSPAPER/MAGAZINE ARTICLE AND EDITORIALS**

### **SCHOOL OF COMPUTING**

#### **Dr. Ritika**

1. **R. Mehra**, published Article in CSI communications “War on Big Data” ISSN 0970-647x, Vol.43, no.12, pp.14-15. **March 2020**

#### **Dr. Rama Sushil**

2. **R. Sushil**, member moderation board of DITU, from **Oct. 2019** till date for editing question papers of midterm and end term examinations.

## **V. PATENTS PUBLISHED**

### **DEPARTMENT OF PHARMACY**

#### **Dr. Habban Akhter**

1. **Md. Habban Akhter**, Saima Amin., “*COMPOSITION OF BIODEGRADABLE POLYMERIC NANOPARTICLE AND A PROCESS OF PREPARATION OF SAID COMPOSITION*,” India,

Application No.201811014045 Date of filing of Application: 12/04/2018; A Publication Date: **18/10/2019**.

## **DEPARTMENT OF PHYSICS**

### **Dr. Pankaj Chamoli**

2. K. K. Kar and **P. Chamoli**, "*A green reduction approach for graphene oxide into graphene nanosheets by urea*," India, Number: IN330807, **January 30, 2020**.

## **(VI). ORGANIZATION OF NATIONAL/INTERNATIONAL CONFRENCES/MEETINGS/WORKSHOPS**

### **FACULTY OF ARCHITECTURE & DESIGN**

#### **Prof. Chhabi Mishra and Ar. Jitendra Kumar Sarohi**

1. **C. Mishra, J.K Sarohi**, International Conference on Future Cities in collaboration with IIT Roorkee, **11<sup>th</sup> – 12<sup>th</sup> Dec 2019**, Venue- IIT Roorkee.

#### **Ar. Meghna Chatterji**

2. **M. Chatterji**, Workshop on Study, Use and Conservation of Timber in collaboration with INTACH Heritage Academy, **4<sup>th</sup> – 6<sup>th</sup> March 2020**, Venue- FoAD, DITU.

## **SCHOOL OF COMPUTING**

#### **Dr. Vishal Bharti**

3. **V. Bharti** coordinated IBM Week from **14/10/19-18/10/19**, An Expert Lecture on "Analysis of Civic Complaints for Proactive Maintenance in Smart City" by Dr. Durga Toshniwal, IIT Roorkee on **10 Jan, 2020**.
4. **V. Bharti** coordinated "Rio+25 United Nation Water Action Decade Program 2019-20", **10/08/2019-24/10/19**.

#### **Dr. Ritika**

5. **Ritika**, Organised 3 days International Online workshop (QASIP) on Online Learning on **1-3 April 2020**, 15-19 of 8 hours duration. It focuses on Preparing for Online Learning;



Engaging for Online Learning; Evaluating and Assessing Students for Online Learning for faculties of DIT University. 32 Faculties participated in it.

6. **Ritika**, Organised an Expert Lecture on “Analysis of Civic Complaints for Proactive Maintenance in Smart City” by Dr. Durga Toshniwal, Professor/CSE, IIT Roorkee on **10 Jan, 2020**.
7. **Ritika**, Convener of one day Seminar “How will IoT drive our future?” on **5th November 2019** by Mr. Robin Mazumdar, Senior Solution Consultant, Oracle India Pvt. Ltd. . Seminar focuses on Past, Present and Future Benefits, and area benefiting from IoT, Few Case Studies of IoT and Analytics.

#### **Ajay Kumar**

8. **A. Kumar**, Organized a Workshop on “Modern Technology on Space and Airborne Data” on **18th Oct 2019**.  
Expert: Mr. Manuruchi Mahapatra, Rbased Services Pvt. Ltd.

#### **Dr. Rama Sushil**

9. **Dr. Rama Sushil** & team of CSI student chapter DITU & SoC faculty members organized successfully national level Hackathon 2.0, participation from Kanpur, Roorkee, Punjab, Dehradun, Lucknow etc. **25-27 Jan2020**.

#### **Dr. Rakesh Kumar Saini**

10. **R.K. Saini**, Workshop on Microsoft Azure (Workshop was conducted by Mr. Pramit Bhuyan alumnus, IIT Kharagpur) at DIT University, Dehradun on **19-Oct-2019**.
11. **R.K. Saini**, Organized a workshop on Cyber Security and Ethical Hacking (APTRON, Noida) at DIT University on **27-Oct-2019**.

### **DEPARTMENT OF EECE**

#### **Dr. Gagan Singh**

12. LMISTE ( Life Member Indian Society of Technical Education)
13. MOSA (Member Optical Society of India) Member Number: 1772826

## **DEPARTMENT OF MATHEMATICS**

14. International Conference on Applied Mathematics and Computational Sciences-2019 (ICAMCS-2019), **17-19 October, 2019, Dr. Jogendra Kumar (Convener)**.

## **DEPARTMENT OF PETROLEUM ENGINEERING**

### **Dr. Tapas Dora**

15. **T.K. Dora** & Team, organize SPE Techfest every year also International Conferences are organized at regular intervals depending upon interest from industries and academic partners and sponsorship. A Techfest and international Conference a sustainable energy resource was to be organized in March this year. However, it got postponed due to COVID-19 pandemic, **(March- April 2020)**.

### **Dr. Havagiray Chitme**

16. Organizing Secretary, 24<sup>th</sup> APTICON 2019, "Holistic contribution of Pharmacy gurus for future global leaders-vision 2047", **Oct 11-13, 2019**, organized by DIT University in association with APTI, Dehradun.

### **Dr. Manmohan Singhal**

17. Chairperson of Souvenir Committee of APTICON-2019 hosted by DIT University, Dehradun in association with APTI, **Uttarakhand Branch. Oct 11-13, 2019**

### **Dr. Bhavna**

18. Chairperson in **Stage and Decoration committee** in 24<sup>th</sup> APTICON 2019 , "Holistic contribution of Pharmacy gurus for future global leaders-vision 2047", **Oct 11-13, 2019**, organized by DIT University in association with APTI, Dehradun.
19. Convener in **Inaugural and Valedictory committee** in 24<sup>th</sup> APTICON 2019 , "Holistic contribution of Pharmacy gurus for future global leaders-vision 2047", **Oct 11-13, 2019**, organized by DIT University in association with APTI, Dehradun.

**Dr. Neeraj Kumar Sethiya**

20. **N.K. Sethiya**, Chairperson of the Accommodation Committee of APTICON-2019 hosted by DIT University, Dehradun in association with APTI, Uttarakhand Branch. **Oct 11-13, 2019**

**Dr. Sushil Kumar Chaudhary**

21. **S.S. Chaudhary**, Served as **JURY MEMBER (YOUNG ETHNOPHARMACOLOGIST AWARD)** in the 7<sup>th</sup> International Congress of the Society for Ethnopharmacology, India (SFEC 2020) organized by the School of Pharmaceutical Education and Research, Jamia Hamdard, New Delhi, India in collaboration with Society for Ethnopharmacology, India during **February 15-17, 2020** at **New Delhi, India**.

**Dr. Abhijeet**

22. **Abhijeet**, Chairperson in **Transportation committee** in 24<sup>th</sup> APTICON 2019 , “Holistic contribution of Pharmacy gurus for future global leaders-vision 2047”, **Oct 11-13, 2019**, organized by DIT University in association with APTI, **Dehradun**.

**VI. MEMBERSHIP OF PROFESSIONAL BOARDS/COMMITTEES  
(OUTSIDE DIT UNIVERSITY), REFEREEING FOR  
JOURNALS/CONFERENCES/PROJECTS**

**FACULTY OF ARCHITECTURE & DESIGN**

**Prof. Chhabi Mishra**

1. COA, IIID, THEGDA, ISOLA, SLA, ASLA, IIA, National Committee ICFC2019, IIT Roorkee

**Ar. Jitendra Kumar Sarohi**

2. COA, IIA, Technical Committee ICFC2019, IIT Roorkee

**Prof. Kartik Vora**

3. COA

**Ar. Sandeep Saxena**

4. COA, II

**Ar. Vartica Saxena**

5. COA, IIA

**Dr. Aanchal Sharma**

6. COA, IGBC, DBAA, STRA, Editorial Member Journal Publishing Group

**Ar. Abhilasha Pathak**

7. COA, IIA, IID

**Dr. Seema Praliya**

8. COA

**Ar. Purnima Verma**

9. COA, IIA

**Ar. Ankita Gaur**

10. COA

**Ar. Nagabhoina Tejendra**

11. COA

**Ar. Charles Porwal**

12. COA

**Ar. Aditi Gaur**

13. COA

**Ar. Manjinder Kaur**

14. COA

**Ar. Sanan Verma**

15. COA, ITPI

**Ar. Shreya Giri**

16. COA, IIA, ITPI

**Ar. Meghna Chatterji**

17. COA

**Ar. Zarna Shah**

18. COA, IIA, ICOMOS

**Ar. Poonam Katre**

19. COA

**DEPARTMENT OF CIVIL ENGINEERING**

**Dr. Mansha Swami**

20. Life time member of IAENG

**DEPARTMENT OF CHEMISTRY**

**Dr. Arti Chaturvedi**

21. Life Member Member-ISTE.

**Dr. Suheel Porwal**

22. Member of **American Chemical Society**,

23. Life member of **Vigyan Bharti**,

24. Life Member of **Indian Scientist for Analytical Society, Delhi Chapter**, India

**Dr. Jabrinder Singh**

20. Member - International Society for Environmental Information Sciences, Canada.

21. Reviewer - Environmental Science and Pollution Research (ESPR).

22. Environment, Development and Sustainability (ESD).

23. International Journal of Agricultural Science Research (IJASR)

## **SCHOOL OF COMPUTING**

### **Dr. Garima Verma**

23. **CSI** Life Time Membership- 00174927

### **Dr. Neeraj K Pandey**

24. Technical Program Committee member in international conference on innovation sustainable computational technologies (**CISCT-2019**) organized by Graphic Era University Dehradun on **October 11-12, 2019**.

25. Program Committee member International Conference on Machine Intelligence & Data Science Applications (**MIDAS 2020**) In ASSOCIATION with "Next Generation Computing Technologies" (**NGCT-Society**) organized by University of Petroleum and Energy Studies, Dehradun.

26. Program Committee member International Conference on Power Electronics & IoT Applications in Renewable Energy and Its Control (**PARC 2020**) organized by GLA University Mathura U.P. on **February 28-29, 2020**.

### **Dr. Soumen Kanrar**

27. Member of ACM: MemberShip number 2775779  
(Professional Member)

28. Editorial Board Members: International Journal of Information Technology, Control and Automation (**IJITCA**) ISSN: 1839-6682.

29. Members of the Editorial Board: International Journal of Computer Science and Engineering Survey (**IJCSES**) ISSN 0976-2760

### **Sisir Kumar Jena**

29. **IEEE** (Mem. No.94923730), **IEEE Membership**, **IEEE Young Professionals**, **IEEE Computer Society Membership**, **International Roadmap for Devices and Systems Community**, **IEEE**, **Test Technology Technical Council**, **IEEE Computer Society**.

### **Dr. Vishal Bharti & Tarun Kumar**

30. **Vishal Bharti**, Institution of Electrical & Electronics Engineers (**IEEE**). No # 90824972

31. **Vishal Bharti**, Computer Society of India (**CSI**)-Life Member. No # 11500174

32. **Vishal Bharti**, Institutions of Engineers India (**IEI**), No# M-148558-4

33. **Vishal Bharti**, Indian Society of Technical Education (**ISTE**) - LM90285 Life Member.

34. **Tarun Kumar**, Reviewer of Journal of Computer Science (Science Publications).

### Anurag Srivastava

34. Membership of **TERA** (Teaching & Education Research Association) Professional **Boards** and Membership ID is **TERA-M110263**.
35. Membership of **IAENG** (International Association of Engineers) Professional **Boards** and Membership ID is **IAENG-250736**.
36. Membership of **IFERP** (Institute for Engineering research and publication) Professional Boards and Membership ID is **PM36502817**.
37. Membership of **IRED** (Institute of Research Engineers and Doctor) Professional Boards and Membership ID is **AM101000581943**.
38. Membership of **CSTA** (Computer Science Teachers Association) Professional Boards and Membership ID is **198357987272**.
39. Membership of **ASR** (Asia Society for Researcher) Professional Boards and Membership ID is **R219013006**.

### Dr. Sarvesh Vishwakarma

40. Membership Institute of Electrical and Electronics Engineers (**IEEE**) Young Professionals, USA [IEEE A/c No. 90776397]
41. Institute of Electrical and Electronics Engineers (**IEEE**) Computer Society, USA [A/c No. 90776397]  
Association for Computing Machinery (**ACM**), USA [ACM A/c No. 4535940]

### Dr. Ritika

42. Program committee member of Handbook of Wireless Sensor Networks: Issues and Challenges in Current Scenario (WSN Book Springer **March 2020**). Published by Advances in Intelligent Systems and Computing (AISC), Springer.  
<https://sites.google.com/view/wsnbookspringer/home>.
43. Program committee member of Third International Conference on International Conference on Recent Innovations in Computing (ICRIC-2020) Central University of J & K, **March 2020**.
44. Program committee member of International Conference on Evolving Technologies for Computing Communication and Smart-World 2020 held at C-DAC Noida on **31 Jan-1 Feb 2020**.
45. Professional membership of Association for Computing Machinery (Membership no; 4790137)
46. Life time member of International Associations of Engineers (membership No: 170158)
47. Life time member of The Institution of Electronics & Telecommunication Engineers (membership no.: M 500223).

48. Life time membership of The Indian Science Congress Association (membership no.L26495).

49. Member of IEEE since May 2010 (membership no. 91202205).

**Ajay Kumar**

50. Program committee member of International Conference on Computing Communication and Cyber Security held at Chandigarh on **12-13 October 2019**.

**T Santosh**

51. Journal of big data (Springer).

**Dr. Anil Kumar**

52. SMIEEE, MACM, LMCSI, FIETE, MCRSI.

**Dr. Srabanti Maji**

53. Association for Computing Machinery (ACM), (MN-5924689)

**Dr. Rama Sushil**

54. CSI Member

**Dr. Amit Kumar Mishra**

55. Life member of Computer Society of India, Mumbai. (Membership Number: 00146578).

56. Life member of International Association of Computer Science and Information Technology (IACSIT), Singapore (Membership Number: 80343527).

57. Life member of The International Association of Engineers (IAENG), Hong Kong (Membership Number: 118063).

**Diwaker**

58. IEEE: Student Membership No: 93328161



## **DEPARTMENT OF MATHEMATICS**

### **Dr. Dheeraj Kumar joshi**

**59.Membership:** IEEE, MCDM Society (Life time member).

**60.**Worked as **Referee** for Information Sciences (Elsevier), IEEE Access, Granular Computing (Springer), Egyptian informatics journal (Elsevier).

### **Dr. PoojaSwaroop Saxena**

**61.**Indian Mathematical Society(Life time member)

**62.**The Indian society for Technical Education(Life time member)

### **Dr. Vinod Kumar Gupta**

**63.**Worked as **Referee** for **Physics of Fluids ( IOP) & Life time member** of Mathematical Society B.H.U.

### **Dr. Nitin Kumar Kamboj**

**64.**Expert Committee member (Statistical Computing) for Dr. Padam Singh Research & Development Scheme, Institute of Applied Statistics.

### **Dr. Sandeep Sharma**

**65.**Indian Mathematical Society(Life member)

## **DEPARTMENT OF PETROLEUM ENGINEERING**

### **Dr. Tapas Kumar Dora**

**66.**Members of SPE society.

## **FACULTY OF PHARMACY**

### **Dr Manish Gupta**

**67.** Member of Royal Society of Chemistry, United Kingdom

**68.** Life Member of Indian Pharmaceutical Association.(Dr Manish Gupta)

- 69. Life Member of Association of Pharmaceutical Teachers of India (Dr Manish Gupta)
- 70. International Pharmaceutical Federation. (Dr Manish Gupta)
- 71. Reviewer of Pharmacological Reports (Elsevier) (Dr Manish Gupta)
- 72. Reviewer of New Journal of Chemistry (RSC)(Dr Manish Gupta)

#### **Shraddha & Dr. Manish Gupta**

- 73. International Pharmaceutical Federation, Netherland , membership (**December:2020-21**)

#### **Dr. Manmohan Singhal**

- 74. Life Member of Association of Pharmaceutical Teachers of India.
- 75. Life Member of FHER (Dr. Manmohan Singhal).
- 76. Life Member of PRISAL.

#### **Dr.Bhavna**

- 77. Indian Pharmaceutical Graduate Association (IPGA): Life time member, LM-2645
- 78. Indian Pharmaceutical Association (IPA): Life time member, UTT/LM/0044 (Dr.Bhavna)
- 79. Society of Pharmaceutical Education and Research (SPER): Life time member, SPER/LM/UK/005 (Dr.Bhavna)

#### **Dr. Neeraj Kumar Sethiya**

- 80. Annual Membership of American Chemical Society.

#### **Dr. Sushil Kumar Chaudhary**

- 81. Registered member in "Society for Ethnopharmacology" Kolkata, Registration No: SFE/14/I-49.
- 82. Registered member in "South African Society for Basic and Clinical Pharmacology", Registration No: 100-060.
- 83. Serving as effective reviewer of the **Journal of Ethnopharmacology**, Elsevier Science, **Phytotherapy Research**, Wiley Online Library, **Natural Product Research**, Taylor and Francis, **South African Journal of Botany**, Elsevier Science, **African Journal of Science, Technology, Innovation and Development**, Taylor and Francis and **Journal of Pharmacy and Pharmacology**, David Publishing Company, USA.

**Dr. Ashok Behera**

84. Member of Royal Society of Chemistry (MRSC), UK, London (membership no.674192)

**DEPARTMENT OF PHYSICS**

**Dr. Pankaj Chamoli**

85. Potential Reviewer of Materials letter Elsevier (IF:3.01)  
86. Potential Reviewer of Journal of Water Process Engineering Elsevier (IF:3.17)

**Dr. Parveen Kumar**

87. Refereeing Journal of Materials Science

**VII. AWARDS/HONORS/FELLOWSHIPS**

**DEPARTMENT OF CIVIL ENGINEERING**

**Dr. Tarumay Ghoshal**

1. **T. Ghoshal**, Publication award at DIT University.

**Dipika Keshri**

2. **D. Keshri**, 1<sup>st</sup> in poster presentation at IIT, BHU.

**SCHOOL OF COMPUTING**

**Dr. Vishal Bharti**

3. **V. Bharti**, was awarded with **Best Computer Teacher** by Page 3, **Sep 2019**.  
4. **V. Bharti**, was awarded with **Academic Leadership** Award by GISR Foundation, **Oct 2019**.  
5. **V. Bharti**, was awarded with **Best Young HoD** of the Year Award by LWT India, **Dec 2019**.  
6. **V. Bharti**, was awarded with **Emerging Leader** in Higher Education by Venus International Foundation, **Nov 2019**.

**Dr. Ritika**

7. **Ritka**, Received award in the field of Education on **17 Jan 2020** by NSWEE Education Excellence Award at Hotel Ashoka New Delhi.
8. **Ritika**, Received the best HoD Award on **15 Dec 2019** from Global Education and Corporate Leadership (GECL-2k19) Awards, 2nd International Annual Awards at Ambar Vilas Jaipur.

**Dr. Anil Kumar Dahiya**

9. **A. Kumar** Received Professor of the Year Award, American College of Dubai and GISR at Park Regis Kris Kin Hotel, Dubai, UAE. **October, 2019.**
10. **A. Kumar**, Received Most dynamic HoD of the Year (MALE), Grand Dream Resort, Meerut, India, **2019**

**Dr. Rama Sushil**

11. **R. Sushil**, Received travel grant by Uttarakhand council of Science & Technology for research paper presentation in international conference, AOGS'2019, **23 July2019-2Aug2019**. Singapore. As a grant letter received later mentioned so.

**Dr. Rakesh Kumar Saini**

12. **R.K. Saini**, CDAC honour Award for Springer International Conference on “Evolving Technologies for Computing, Communication and Smart World (ETCCS-2020)” organized by Ministry of Electronics and Information Technology, Government of India CDAC Noida, India during **Jan 31st - Feb 1st 2020**.

**FACULTY OF PHARMACY**

**Dr. Neeraj Kumar Sethiya, Dr. Vaibhav Walia and Dr. Sushil Chaudhary**

12. **N.K. Sethiya, V. Walia, S. Chaudhary**, Received **Idea Exposition-2019** award (50,000 Rs. INR) on Healthcare and Environment, organized by BIRAC Regional Innovation Centre (BRIC) in collaboration with IKP, TIDES Business Incubator at Indian Institute of Technology (IIT) - Roorkee, India on **November 25-26, 2019**.

**Manmohan Singhal**

13. **Teacher Innovation Award** by Sri Aurobindo society, ZIIEI
14. Member of Editorial board of Journal “International Journal of Toxicological and Pharmacological Research”

15. Member of Editorial board of Journal “International Journal of Pharmaceutical Sciences and drug Research”

**Dr. Neeraj Kumar Sethiya**

16. Awarded with certificate of Appreciation “**Teacher Innovation Award**”, by Sri Aurobindo society,  
17. **Bentham Ambassador, 2019-20** Selected by Mahmood Alam, Director, Bentham Science.

**Dr. Ashok Behera**

18. **Best E-poster presentation** at 24<sup>th</sup> annual convention of Association of pharmaceutical teachers of India, APTICON-2019 hosted by DIT University and APTI-Uttarakhand state branch from **11-13<sup>th</sup> October, 2019**.

## **IX. DOCTORAL STUDENTS AWARDS/ACHIEVEMENTS**

### **DEPARTMENT OF MATHEMATICS**

**Dr. Rakesh Mohan**

19. Name :Dr. Pratibha Tyagi, Superviso: Dr. Rakesh Mohan, DIT University, Dehradun., Co-Supervisor : Dr. Ratnesh Kumar Mishra, NIT Jamshedpur, Jharkhand, Area : Commutative Algebra, Thesis Title : Study Commutative Rings Graded by Finitely Generated Abelian Group. **Doctoral degree awarded in December 2019.**

### **FACULTY OF ARCHITECTURE & DESIGN**

**20. Dr. Anchal Shrama**

Bindu Agarwal, Faculty of Architecture, Himgiri Zee University, “Socio Economic Impact Assessment of the changes in Land usage in Dehradun, Uttarkhand, India”; awarded February 2020. (Supervisor- Dr. Anchal)

### **DEPARTMENT OF EECE**

**Dr. Gagan Singh**

21. **Nafees Ahamad** awarded PhD under **S. Gagan** supervision.

## **DEPARTMENT OF PHYSICS**

### **Dr. Manoj Bhatnagar**

22. Mr. Amit Badola was awarded Ph.D in **Dec. 2019**

“Study and analysis of neutron resonance parameters and cross-sections” under the guidance of **Dr. Manoj Bhatnagar** and Dr. Sanjay Singhal.

### **Dr. Praveen Kumar**

23. Ms. Khusbu was awarded Ph.D in **Dec. 2019**

“Synthesis and characterization of binary/ ternary systems of BaTiO<sub>3</sub>/PbZrO<sub>3</sub>/RFeO<sub>3</sub> (R=Bi, Sm etc.)” under the guidance of **Dr. Parveen Kumar**.

## **X. CONSULTANCY DETAILS**

### **DEPARTMENT OF EECE**

#### **Dr. Gagan Singh**

1. To check the quality of electrical items supplied by Crompton Greaves Electrical ltd. By Nagar Nigam, **Dehradun** consulted Electrical Engineering Department. **Dec 2019**.

## **HUMANITIES & LIBERAL ARTS**

#### **Dr. Arun Pratap Singh**

1. **Nominated Consultant**, *Uttarakhand State Disaster Management Academy Workshop (10 November, 2020)*.
2. **Consultant**, Aelation Lifelong Learning Research Council (**March, 2020**)

## **XI. ANY OTHER ACHIEVEMENTS**

### **FACULTY OF ARCHITECTURE & DESIGN**

#### **Ar. Jitendra Sarohi**

1. Chaired the session at International Conference on Future Cities at IIT Roorkee, **11<sup>th</sup> – 13<sup>th</sup> Dec 2019**.

#### **Dr. Anchal Sharma**

2. Dr. Anchal Sharma delivered lecture at IIT Roorkee, **1<sup>st</sup> Nov 2019**.

### **DEPARTMENT OF CIVIL ENGINEERING**

#### **Dr. Tarumay Ghoshal**

3. **T. Ghoshal**, attended Conference “Challenges in Earth System Sciences for Global Sustainability (CESSGS)” at IIT Kharagpur, **15-16 January, 2020**.

#### **Dipika Keshri**

4. T. Keshri, attended Conference “Recent Trends In Earth Science Research” at **IIT BHU. 12-14 October, 2019**.
5. **T. Keshri**, attended Conference Impact Of Climate Change On Natural Resource Management” at Inderprastha Engineering College **Ghaziabad. 29<sup>th</sup> February, 2020**

### **SCHOOL OF COMPUTING**

#### **Dr. Narendra Kumar**

6. Online NPTEL FDP course on software engineering from July to **October 2019** by **N. Kumar**.

#### **Dr. Vishal Bharti**

7. MoU Signed with C-DAC, Govt. of India for Collaboration in R& D, **Sep 2019**.
8. MoU renewed with Infosys under “Infosys Campus Connect”, **Jan 2020**.

**Dr. Ritika & Dr. Anil Kumar**

9. **Ritika, A. Kumar**, Participated in International Online Learning workshop (QASIP) on **1-3 April 2020** 8 hours duration and gained knowledge in: Preparing for Online Learning; Engaging for Online Learning; Evaluating and Assessing Students for Online Learning.

**Dr. Rama Sushil**

10. Under the guidance of Dr. Rama Sushil, One PhD degree awarded to scholar Mr. Sandeep Mandal **Dec 2019**. DIT University, Uttarakhand.

**Anuj K Yadav & Tarun Kumar, Kushal Gupta**

11. **Anuj Kumar Yadav, Kushal Gupta and Tarun Kumar** attended One Day FDP on "Intellectual Property Rights" at DITU on **Feb 8, 2020**.

**Rajeev Pandey**

12. Successfully completed one ARPIT-SWAYAM MOOCs course.

**FACULTY OF PHARMACY**

**Dr. Neeraj Kumar Sethiya, Dr. Vaibhav Walia and Dr. Sushil Chaudhary**

13. Successfully conducted Industrial Tour viz NIPER Mohali, Asihwarya Life Sciences, Corona Pharmaceuticals, Oniosomes Pvt. Ltd to our students. **November 2019**

**Dr. Neeraj Kumar Sethiya**

14. 8 week online course entitled as Cell Culture Technologies on Swayam (On-going).

**End of Report**

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