



**MANAV RACHNA  
UNIVERSITY**

Declared as State Private University vide Haryana Act 26 of 2014

# MANAV RACHNA UNIVERSITY

## THE OFFICE OF INTERNATIONAL AFFAIRS



**REPORT**  
**July – December 2022**

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## 1. OFFICE OF INTERNATIONAL AFFAIRS

**Office of International Affairs shall be responsible for undertaking the following activities:**

- ✍ To disseminate information related to admission process among prospective foreign students.
- ✍ To engage in promotional activities and brand building campaigns abroad.
- ✍ Single point of contact for carrying out all collaborative activities with the foreign institutes.
- ✍ Acts as a liaison body between the foreign students and sponsoring agency.
- ✍ To coordinate all matters relating to welcoming and supporting foreign students.
- ✍ To address the grievance of foreign students and sponsoring agency.
- ✍ Single point contact for registration with FRRO/e-FRRO.
- ✍ To facilitate networking with fellow students.
- ✍ To extend all possible help to the foreign students to adapt to the new cultural environment and make their stay in India comfortable and enriching.

[\(https://manavrachna.edu.in/office-of-international-affairs/\)](https://manavrachna.edu.in/office-of-international-affairs/)

## THE TEAM

S. No.	Faculty Members	Coordinators
1	Chairperson	Dr. Meena Kapahi
2	Mathematics	Dr. Aparna Vyas
3	Physics	Dr. Sandeep Kumar
4	Chemistry	Dr. A. Jayamani
5	Computer Science and Technology	Dr. Alpana
6	Electronics & Communication Engineering	Dr. Yogita Khanna
7	Mechanical Engineering	Mr. Ajit Katiyar
8	Education & Humanities	Dr. Pooja Parmar
9	Law	Ms. Chaitali Wadhwa
10	Management & Commerce	Dr. Vandana Zutshi Bhat

## 2. MoUs WITH FOREIGN UNIVERSITIES/INSTITUTES

S. No.	Institute	Country
1	Abdullah Gul University	Turkey
2	Antioquia School of Engineering (EIA), Columbia USA	USA
3	Association of International Accountants	UK
4	Autonomous University of Sinaloa	Mexico
5	Hasan Kalyoncu University	Turkey
6	Istanbul Commerce University	Turkey
7	Istanbul Kultur University	Turkey
8	Lahti University of Applied Sciences	Finland
9	Purdue University NorthWest	USA
10	University of Pitesti	Romania
11	College Sevigne	France
12	University College of Northern Denmark	Denmark
13	University of North America	North America
14	President University	Indonesia
15	Vinh University	Vietnam
16	University of Regina	Canada
17	T.C. Beykent University	Turkey
18	Syrian Private University	Syria
19	Asia University	Vietnam
20	Akamai University	USA
21	Al Mustaqbal University College	Iraq
22	Karabuk University	Turkey
23	The University of Nottingham	UK, China



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24	Auburn University of Montgomery	USA
25	University of the West of England	UK
26	Universidade Lusofona	Portugal
27	Nottingham Trent University	UK
28	Poleskey State University	Pinsk, Belarus
29	Universitas Indonesia	Indonesia
30	The University of New Castle	Australia
31	Universidad Nacional Villa Maria	Argentina
32	Haaga Helia University of Applied Sciences	Finland
33	Laurea University of Applied Sciences	Finland
34	Metropolia University of Applied Sciences	Finland
35	Istanbul Gedik University	Turkey
36	University of North Texas	USA
37	Osh State University	Kyrgyztan
38	Korean Culture Centre	Korea
39	Illinois Institute of Technology	Chicago, USA
40	Norquest College	Canada
41	Universiti Teknologi Malaysia	Malaysia
42	Yuan Ze University	Taiwan
43	Our Lady of the Lake University	USA
44	Wentworth Institute of Higher Studies	Australia
45	Livingstone International University of Tourism Excellence and Business Management (LIUTEBM)	Lusaka, Zambia
46	Ureka Education Group	Oxford Science Park, Oxford, UK
47	The University of Winnipeg	Canada
48	Instituto Superior de Derecho Y Economía	Madrid, Spain

### 3. INTERNATIONAL FACULTY PANEL



**Prof. Joonki Paik**  
Department of Image Science  
Chung-Ang University  
Seoul South Korea



**Dr. Meenakshi Arora**  
Assistant Dean (International Student Pathways) Director,  
Melbourne India Postgraduate Academy Associate Professor  
(Department of Infra. Engg.)  
The University of Melbourne, Australia



**Prof. Maria Skopina**  
Department of Applied Mathematics and Control Processes  
St. Petersburg State University, Russia



**Prof. Luis Martinez**  
Department of Computer Science,  
University of Jean, Spain



## 4. MINUTES OF THE MEETING

### Minutes of the online meeting about Collaboration Agreement between Manav Rachna University and Southern University Law Centre (SULC), Baton Rouge, Louisiana (FoL; 2 Nov 2021)

#### Members Present

- Professor Marc Roark, Associate Professor, SULC
- Dr. Meena Kapahi, Chairperson, Office of International Affairs
- Dr. Versha Vahini, Head of Department, Faculty of Law
- Ms. Chaitali Wadhwa, Research Associate, Faculty of Law, & Member of the Office of International Affairs

#### Collaboration Goals by Manav Rachna University

Manav Rachna University would like to pursue five pillars of collaboration with SULC:

1. Student opportunities for visits and exchanges – both undergraduate and graduate level. We discussed some equivalency challenges with undergraduate exchanges to the U.S. One solution might be to partner with the Undergraduate Poli-Science department to allocate resources. Another solution might be to facilitate a program inhouse where students are taught one separate course on principles of American Law (seminar) and then can join other courses taught at SULC. The LL.M and Ph.D. exchanges are less problematic and one benefit to SULC (particularly for Ph.D. exchanges) is to have a regular rotation of Ph.D. researchers that are a part of the law school community.
2. Junior Faculty and Senior Faculty Exchanges. Manav Rachna University is seeking to develop collaborative relationships amongst its faculty both at the junior level (years 2-5) and amongst more seasoned scholars (beyond year 5). These exchanges could be facilitated on a research basis; on a limited teaching/ research basis; or on a regular teaching basis. These would be negotiated in connection with each faculty member at the institution. Each university would bear the cost of exchange for their own faculty member, though the host institution may assist in identifying housing that is appropriately located for the faculty exchange program. Ideally, the exchange housing would be located in an area where access to transportation to campus is accessible and convenient.
3. Collaboration towards research networks. Manav Rachna University would like to facilitate the creation of collaborative networks in the U.S. with U.S. based scholars. One means of doing so might be to create common research library networks (such as SSRN Scholar pages jointly hosted by each institution). Additionally, sharing library resources across online platforms could be an output of an institutional arrangement. To begin, the three areas of research that have been identified are Human Rights, Civil Law studies, and ADR.

4. Access to U.S. scholar resources for Ph.D. Candidates. Manav Rachna University believes its Ph.D. Candidates would benefit from having access to U.S. scholars to serve on their Ph.D. Dissertation committees and to engage in various advisory capacities.
5. Institutional Support and Curriculum Design. As both institutions set about growth trajectories, each can learn from one another regarding their overall growth plan and curriculum development. This includes creating greater appreciation of international and comparative approaches to the study of law.

### **Collaboration Goals of Southern University Law Center**

The Goals identified by the Foreign Collaboration Committee for engagement with outside institutions include:

1. Develop Collaborative relationships in different regions to share resources and engage in both student and faculty collaborative projects.
2. Encourage and grow the research networks that faculty at SULC participate in that have a global connection.
3. Support international funding opportunities of scholars by engaging with strategically located Universities around the globe.
4. Grow faculty scholarship through international opportunities for collaboration, publication, and research.
5. Develop and encourage student access to international opportunities by facilitating Student exchange programs and student study abroad programs.

### **Next Steps**

1. Send investigatory committees on site at each location (Manav Rachna University to SULC – Proposed February 2022) and SULC to Manav Rachna University (April 2022). The visit would be carried out by 2 or 3 faculty members, initially.
2. Include Faculty in virtual workshops held at each institution, starting in Spring 2022. The two universities may aim at a joint webinar on “equity and inclusion” and “Rule of Law” as early as April 2022.
3. Develop a MOU regarding the institutional collaboration on five-year tracks (short term goals) and ten-year tracks (long term goals).

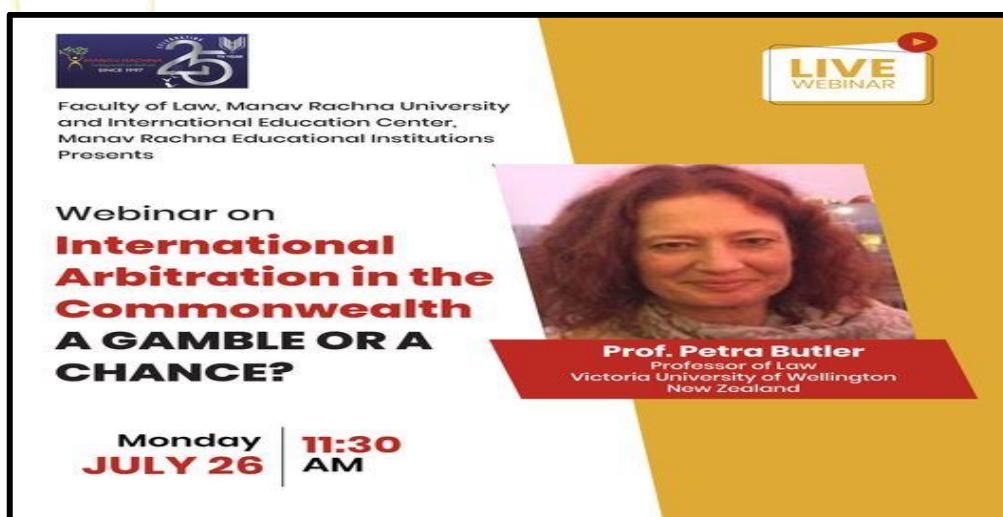




## 5. WEBINAR/WORKSHOP/LECTURES ORGANIZED

### **5(a). Webinar on “International Arbitration in the Commonwealth a Gamble or a Chance” organized by the Faculty of Law (26 July 2021)**

Faculty of Law, Manav Rachna University and International Education Center, MREI presented a webinar on: International Arbitration in the Commonwealth – A Gamble or a chance on 26 July 2021. The session started with a brief introduction of the speaker Ms. Petra Butler by Colonel Girish Sharma. She is a Professor at the Victoria University of Wellington, Co-Director of the Centre for Small States, and the Visiting Professor of Queen Mary University of London. The speaker started by talking about the compatibility of Indian laws with the concept of arbitration with special emphasis on the recent amendments to the Arbitration and Conciliation Act, 1996. She then deliberated upon the importance of International Commercial Arbitration in contemporary times, its underlying issues and the ways in which the commonwealth countries may make positive contributions to International Commercial Arbitration. Later, the speaker offered some quantitative findings to the participants including data regarding types of rules, Arbitrator’s preferred seat, party’s preferred seat, and preferred method of B2B dispute resolutions.

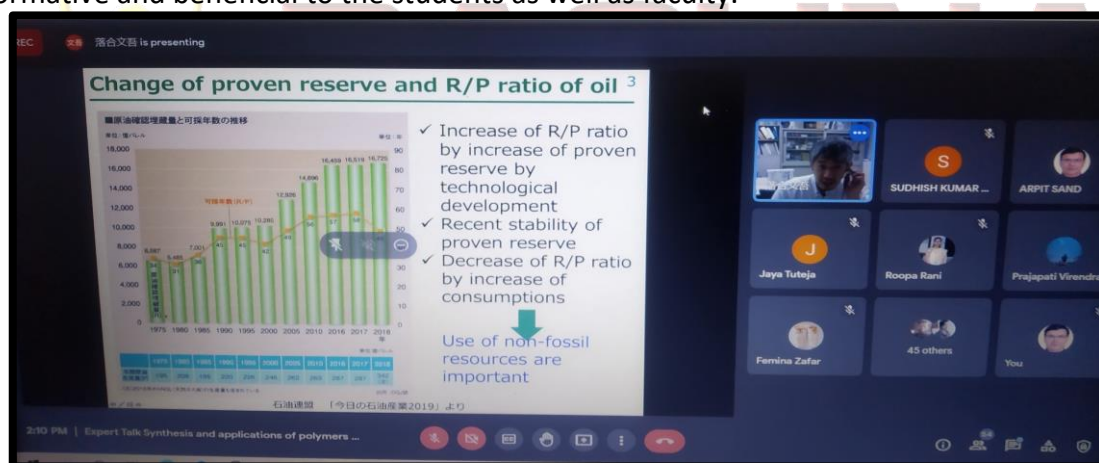


### **5(b). International expert lecture on “Synthesis and applications of polymers based on CO<sub>2</sub> and CS<sub>2</sub>” organized by Department of Chemistry (19 August 2021)**

An Expert Talk on “Synthesis and applications of polymers based on CO<sub>2</sub> and CS<sub>2</sub>” was organized by the Department of Chemistry, Manav Rachna University on 19<sup>th</sup> August, 2021. Professor Bungo OCHIAI, Ph.D., Department of Applied Chemistry, Chemical Engineering, and Biochemical Engineering, Graduate School of Science and Engineering, Yamagata

University Yamagata, JAPAN delivered the talk which was attended by students of M.Sc. and B.Sc. (Hons) Ph. D Scholars and faculty members from the various universities.

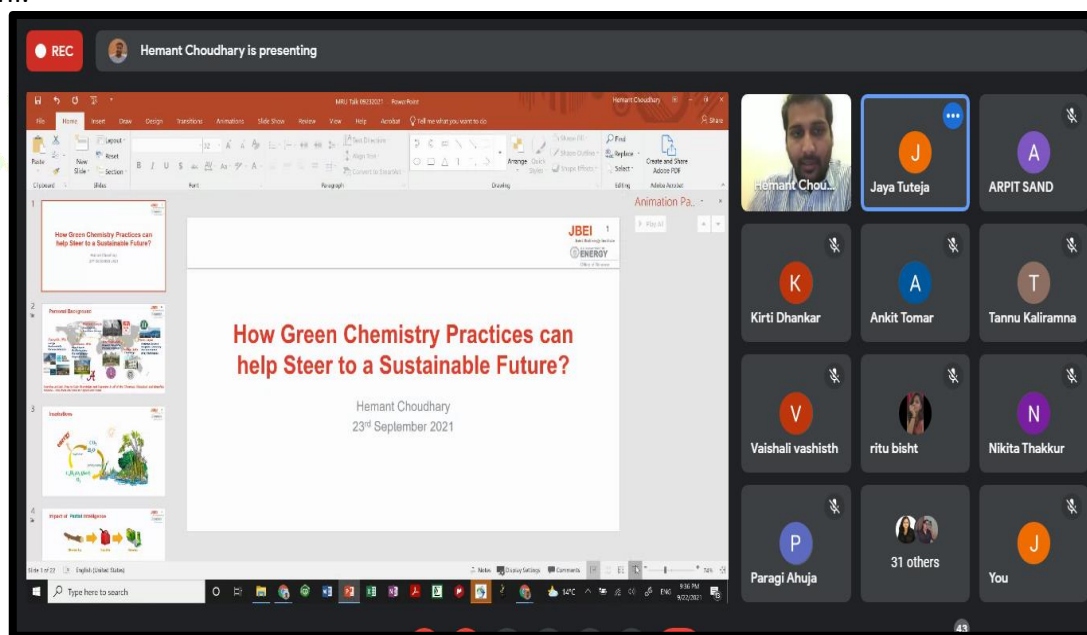
**About the Expert:** Professor **Bungo OCHIAI**, Yamagata University, Yamagata Japan has over 25 years of experience in the field of polymer synthesis. Currently working as Vice-Dean (education), Faculty of Engineering, Yamagata University. He completed his Doctor of Engineering in March 2001 from Interdisciplinary Graduate School of Science and Engineering, Tokyo Institute of Technology, Japan. He is an active member of the Chemical Society of Japan, Society of Polymer Science Japan, American Chemical Society etc. More than 127 research papers published in peer reviewed Journals and conferences to his credit and he wrote Book Chapters in Polymer Chemistry. More than 70 participants joined the session. Prof. Bungo OCHIAI initiated his talk on the Synthesis and applications of polymers based on CO<sub>2</sub> and CS<sub>2</sub> which is intended to serve as a reference for Postgraduate, graduate level students as well as researchers from all fields of science. He discussed how transforming CO<sub>2</sub> into organic materials in low energy is a desirable method utilizing the abundant resource to save using petroleum resources. The reaction of CO<sub>2</sub> and epoxides giving five-membered cyclic carbonates is a good candidate owing to its relatively mild conditions. This reaction has been used for syntheses of various polymers, but multiple steps were required. The obtained polymers are potentially applicable to paints, adhesives, optical materials, and polymeric supports for lithium ion batteries. The lecture was very informative and beneficial to the students as well as faculty.



**5(c). Special lecture on “Green & Sustainable Chemistry” organized by the Department of Chemistry (23 Sept 2021)**

As a part of orientation program to our new Entrants, Department of Chemistry Manav Rachna University has organized a special Lecture by Dr. Hemant Choudhary on the topic “How Green Chemistry Practices can help Steer to a Sustainable Future”. Dr. Choudhary is currently working as Scientist at Sandia National Laboratories, USA. He received his Ph.D. in Materials Science from Japan Advanced Institute of Science and Technology (JAIST), Japan in 2015 and had been a JSPS fellow for PhD and Post-doctorate. Thereafter he joined Prof.

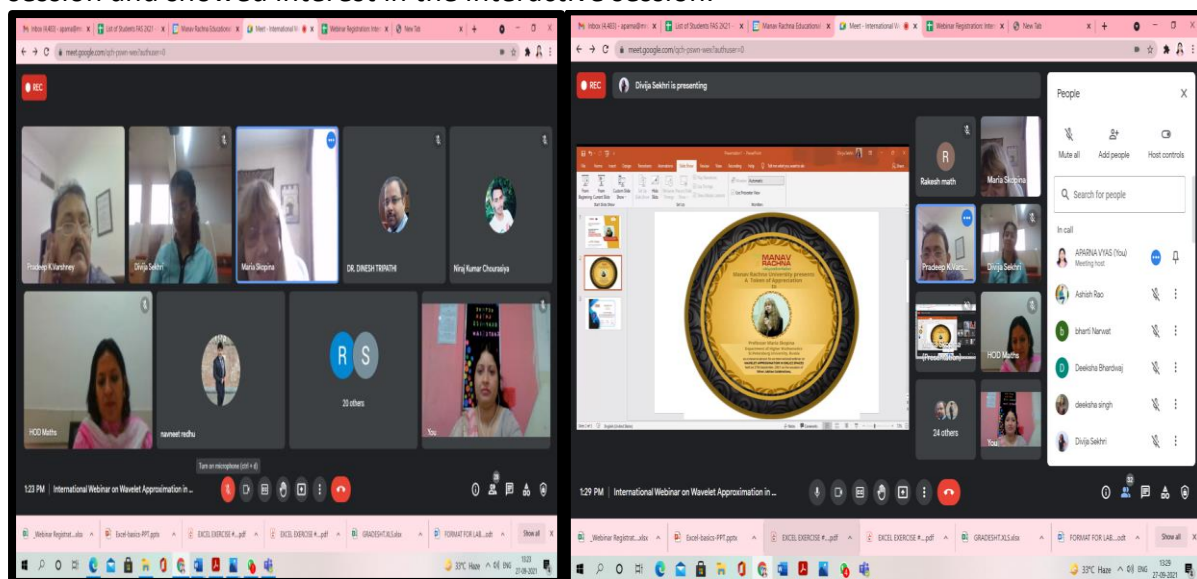
Robin D Rogers' research group at McGill University, Canada and The University of Alabama, USA. He, so far, holds 9 patent and patent applications and has published 27 peer reviewed articles and 1 book chapter in chemical and materials science. His talk was majorly focused on green chemistry importance and its implication in our day to day life. He educated the participants to plan their reactions well on paper before entering the lab that would save up the chemicals and in turn our environment. He guided them to work on a minimal scale in order to decrease the chemical waste and replacing the carcinogenic reactants with the safer and greener one. In his talk he emphasized on the recent crisis of fuel sources, strong urge to develop renewable fuel precursors, how to handle nuclear generated waste, utilization of catalysts for various organic/inorganic transitions, implication of ionic liquids as greener solvents and many more. Overall it can be summarized that the lecture was very much beneficial to the listeners, we had more than 50 participants in the talk including faculties, students from various batches, and 2 of renowned faculties form University of Delhi.



**5(d). International Webinar on “Wavelet Approximation in Orlicz Spaces”, organized by the Department of Mathematics (27 September 2021)**

The Department of Mathematics, Manav Rachna University organized an International Webinar on Wavelet Approximation in Orlicz Spaces on September 27, 2021 to commemorate **25 Years of Transferring Education Silver Jubilee Celebrations**. Prof. Maria Skopina, Department of Higher Mathematics St. Petersburg University, Russia was the Guest Speaker. Prof. Maria is DSc. in Mathematics (2000) from St. Petersburg, Department of Steklov, Mathematical Institute, RAS and Ph.D. in Mathematics (1980) from Leningrad (St.

Petersburg) State University. Her Research areas include Wavelets, Fourier analysis, approximation theory, p-adic harmonic analysis, sampling theory. She has authored more than 70 research papers & 2 books in AMS & Springer. She has diverse teaching experience as visiting professor at Universities in Brazil, USA., Ukraine, Iran etc. She has guided many Ph.D. & D.Sc. students as well. Prof. Skopina has served as Chairman, Vice chairman, Advisory board member in various Editorial boards of journals, societies, conferences etc. She has been the recipient of many Research grants from the Russian Foundation for Basic Research since 1993 till date. Prof. Maria briefly introduced the term wavelets and its applications. Prof. Maria focused her talk on the topic Wavelet Approximation in Orlicz Spaces. She proved that the wavelet expansion has approximation order  $s$  in the sense of modular convergence. In addition, she also proved that the wavelet expansion has approximation order  $s$  in the sense of convergence in the Luxemburg norm. The overall talk enriched the students and faculty with the current Applications of Wavelet Approximation in Orlicz Spaces. More than eighty participants including faculty members attended the session and showed interest in the interactive session.



**5(e). International expert lecture on “Biobased, recyclable and/or degradable polymers for environmental, biomedical and packaging applications” by Professor Minna Hakkarainen, Polymer Technology at KTH Royal Institute of Technology in Stockholm Sweden organised by Department of Chemistry (20 October 2021)**

An Expert Talk on “Biobased, recyclable and/or degradable polymers for environmental, biomedical and packaging applications” was organized by the Department of Chemistry, Manav Rachna University on 20th Oct, 2021. Professor Minna Hakkarainen, Polymer Technology at KTH Royal Institute of Technology in Stockholm Sweden delivered the talk

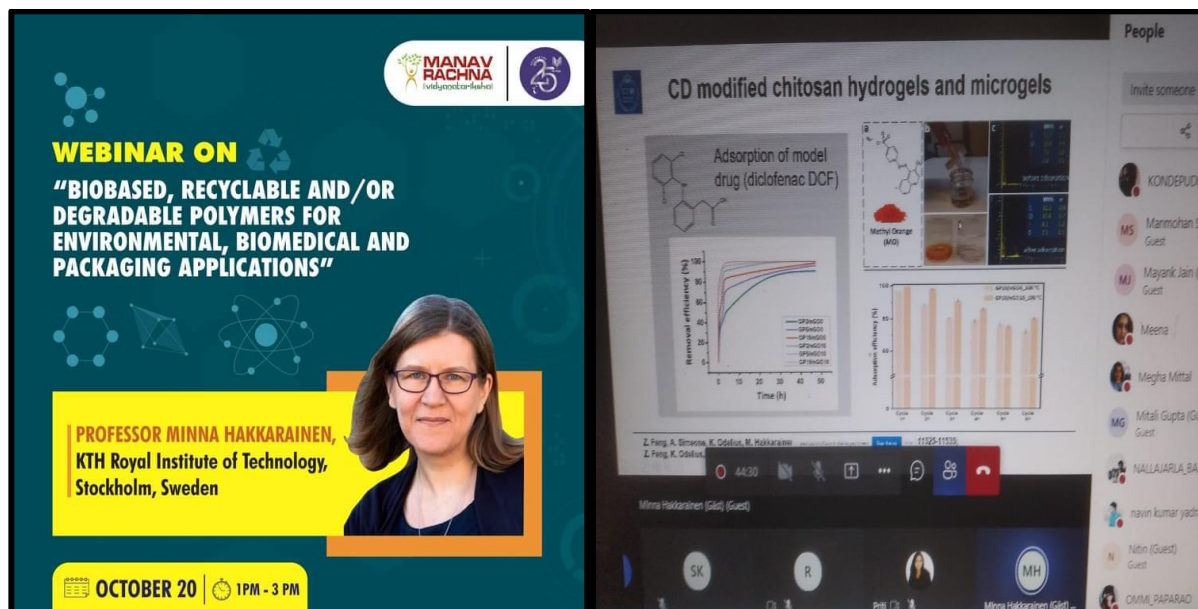


which was attended by students of M.Sc. and B.Sc. (Hons) Ph. D Scholars and faculty members from the various universities.

**About the Speaker: Minna Hakkarainen** is professor in Polymer Technology at KTH Royal Institute of Technology in Sweden. She got her M.Sc. in Polymer Chemistry from University of Helsinki in 1992 and Ph.D. in Polymer Technology from KTH in 1996. Since 2011 she is full professor and since 2012 the head of the Division of Polymer Technology at KTH. Her research interest is sustainable polymers including biobased, degradable and/or recyclable polymers for packaging biomedical and environmental applications. She has expertise in degradation of polymers and the interaction of polymers with different environments as well as chromatographic and mass spectrometric analysis of polymer degradation and degradation products. Recent years her main research focus was valorization of polymer waste and biomass to functional chemicals and carbon materials, and further utilization of these products for design of new materials and products. She has participated in or led several national, bilateral and EU-funded projects. She published **~200 papers** in international journals and has **>7200 citations, h-index 47** and i10-index 143 (google scholar). She is in the Editorial Advisory Board of several journals (e.g. Biomacromolecules, Polymer Testing, SN Applied Sciences, Advances in Polymer Technology).

**Dr. Arpit Sand** Associate Professor Chemistry welcomed the guest and the audience and introduced the guest speaker and talked about the degradable polymers for environmental, biomedical and packaging applications. More than 50 participants joined the session. **Minna Hakkarainen** initiated her talk by Development of sustainable materials from commodity products to advanced materials required for e.g. healthcare is a challenge facing our world today. This challenge includes not only production of new materials from biobased resources but also turning our waste products into new useful materials as well as making sure the materials developed have no negative impact on us or on our environment during their service life or after disposal. These challenges are the core of my research interests, which include: Recycling of polymers and biomass to value added products, including green chemicals, carbon nanospheres and graphene oxide, and further utilization of these products to design new functional materials, development, characterization and testing of degradable polymers, renewable materials, nano/biocomposites, biomedical materials and environmentally friendly plasticizers. The lecture was very informative and beneficial to the students as well as faculty. The session ended with a note of thanks by **Dr. S.K. Shukla** Head Chemistry Department.

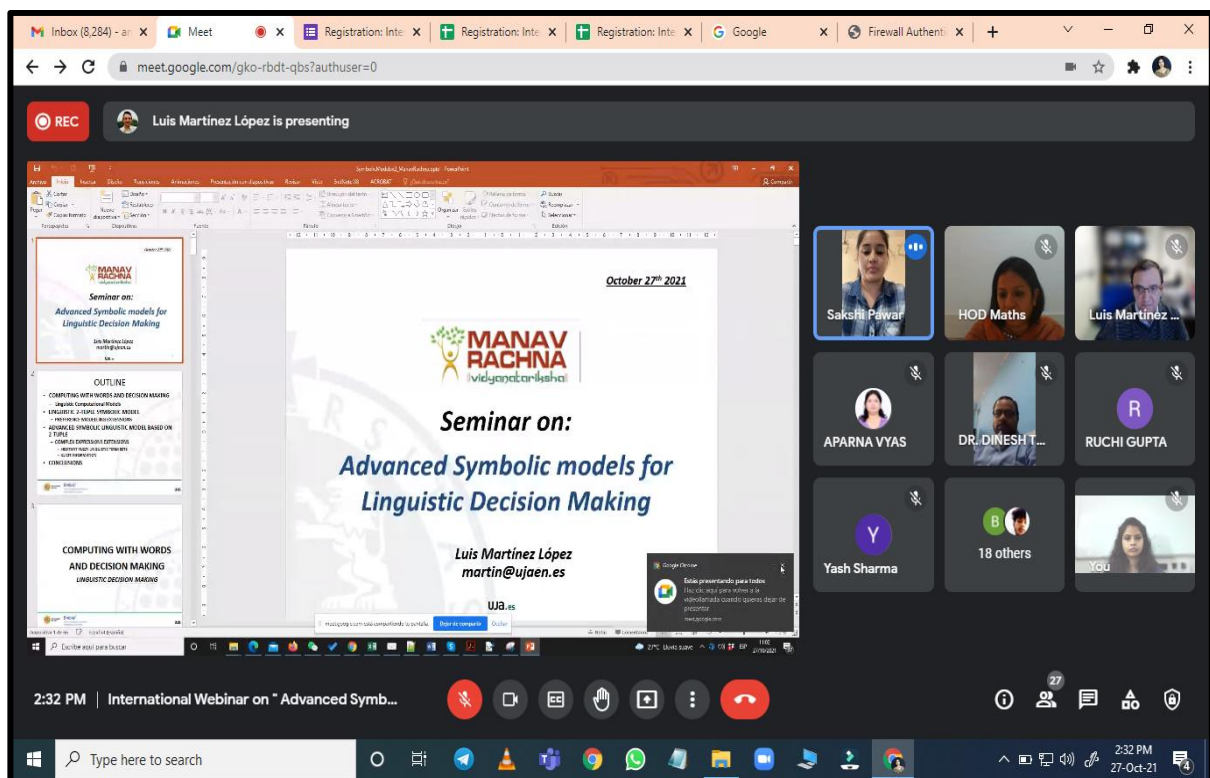
Few Photographs of the session are enclosed.



**5(f). International Webinar on “Advanced Symbolic models for Linguistic Decision Making” organized by Department of Mathematics (27 October 2021)**

The Department of Mathematics, Manav Rachna University organized an International Webinar on Advanced Symbolic models for Linguistic Decision Making on October 27, 2021 to commemorate **25 Years of Transferring Education Silver Jubilee Celebrations**. Prof. Luis Martinez, Department of Computer Science University of Jaen, Spain was the Guest Speaker. Prof. Luis Martinez received the M.Sc. and Ph.D. degrees in Computer Sciences from the University of Granada, Granada, Spain, in 1993 and 1999, respectively. He is currently a Full Professor with the Computer Science Department, University of Jaén, Jaén, Spain. He is also Visiting Professor in University of Technology Sydney, University of Portsmouth and in the Wuhan University of Technology. He has co-edited 11 journal special issues and has been main researcher in 16 R&D projects. He has published more than 175 papers in journals indexed by the SCI and more than 200 contributions in Inter/national Conferences related to his areas. His current research interests include decision making, fuzzy logic-based systems, computing with words and recommender systems. Ms. Sakshi, B.Sc. (H) Mathematics 2<sup>nd</sup> year student started the session and welcomed the guest and audience. Then Dr. Deepa Arora, Head, Department of Mathematics introduced the guest speaker followed by the introduction of the University & its accomplishments. Prof. Martinez briefly introduced the term advanced decision making and its applications. He presented a comprehensive view about the symbolic linguistic models and provided a clear timeline explanation about recent models, methodologies, and software tools for symbolic models in Linguistic decision-making. He emphasized that computing with words becomes crucial to achieve successful decisions in linguistic decision making. Prof. educated the

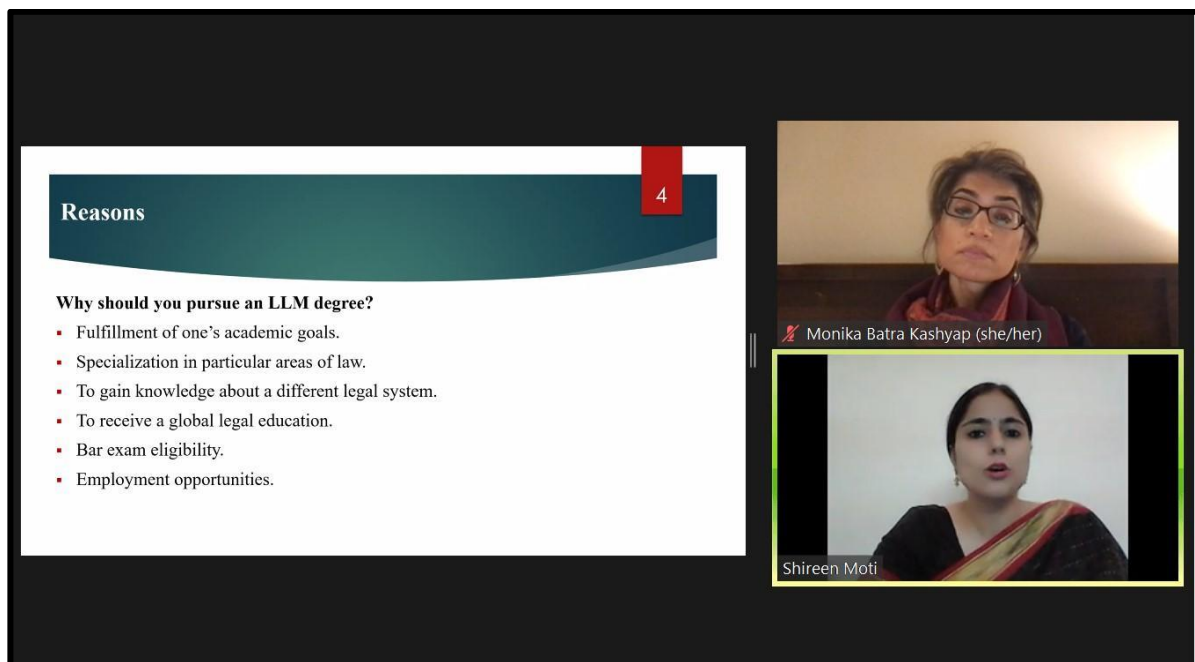
audience about different models based on fuzzy arithmetic and symbolic approaches that have become more popular because of its less computational cost, greater accuracy and better understandability. The overall talk enriched the students and faculty with the current Applications of advanced symbolic models in linguistic decision making. He motivated students for collaborative research in future. More than 40 participants including faculty members attended the session and showed interest in the interactive session. At the end, the session was concluded with a vote of thanks by Dr. Ankita Gaur, Assistant Professor, Department of Mathematics.



**5(g). International Webinar on "How to Secure LLM Admissions and Scholarships Abroad", organised by the Faculty of Law (30 October 2021)**

The Faculty of Law, Manav Rachna University, conducted a webinar on "How to Secure LLM Admissions and Scholarships Abroad", hosted by Seattle University School of Law. The event which saw almost 30 participants, was moderated by Ms. Chaitali Wadhwa from the Faculty of Law. The speakers for the event were **Professor Monika Batra Kashyap**, the Associate Director of the India Center for Law and Justice at Seattle University School of Law; and **Professor Shireen Moti**, the Assistant Professor of Law & Director of Alumni Relations at O.P. Jindal Global University and the Chairperson of the Committee for Academic Support

on Higher Education and Learning. Prof. Moti informed the students of the requirements applying for LLM admissions in international universities. She took the students through a step-by-step process, highlighting the mistakes that need to be avoided, and the essential documents they must have. Prof. Batra Kashyap gave more insight into the process at Seattle University, and the discussed the advantages of doing an LLM abroad. She provided clarity on the difference between an LLM and a JD degree in the States.



**Reasons** 4

**Why should you pursue an LLM degree?**

- Fulfillment of one's academic goals.
- Specialization in particular areas of law.
- To gain knowledge about a different legal system.
- To receive a global legal education.
- Bar exam eligibility.
- Employment opportunities.

Monika Batra Kashyap (she/her)

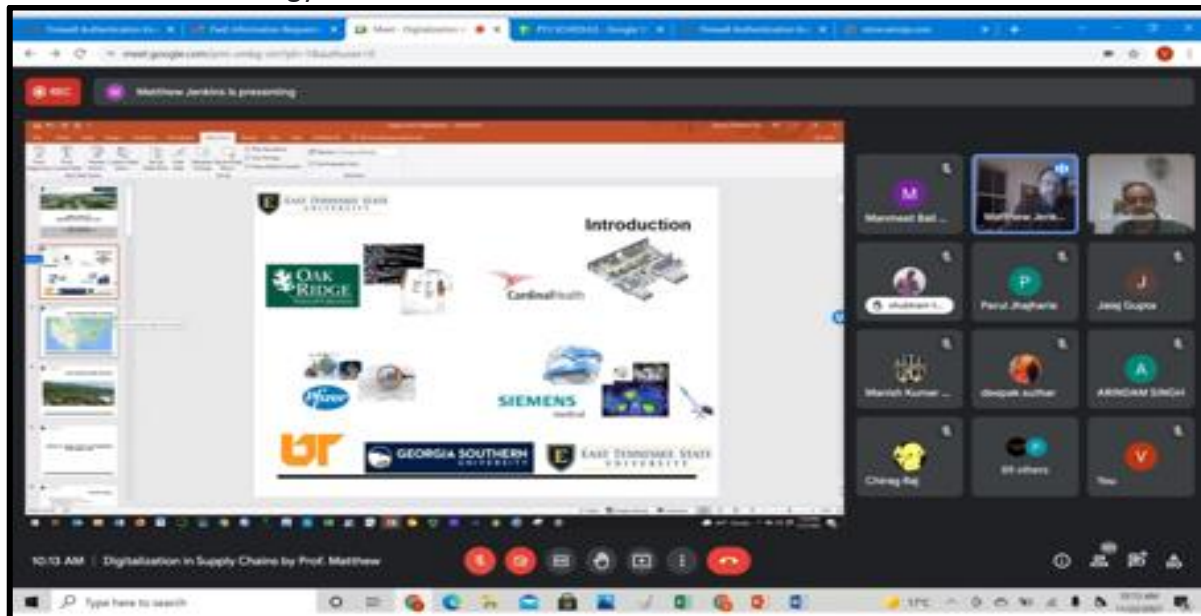
Shireen Moti

**5(h). Webinar under International Faculty Connect on “Digitization in Supply Chain” organized the Department of Management and Commerce (22 November 2021)**

The speaker for this session was Dr. Matthew T. Jenkins, who is Assistant Professor of Supply Chain Management at East Tennessee State University. Dr. Jenkins received his Bachelor of Science in Logistics and Transportation, Master of Business Administration, and Ph.D. in Supply Chain Management from the University of Tennessee. Dr. Jenkins’ primary research interests concern supply chain resource orchestration, cross-functional relationships, and supply chain risk and disruptive events. He has published articles in the Journal of Supply Chain Management, Journal of Business Logistics, and Journal of Organizational Behaviour. He primarily teaches courses related to logistics management, strategic sourcing, international distribution, operations management, and supply chain optimization. Dr. Jenkins spoke about how the digitization of the supply chain enables companies to address the new requirements of the customers, the challenges on the supply side as well as the remaining expectations in efficiency improvement. He threw light as to how Supply chain digitization is the evolution of traditional supply chains to include digital



products, services and analytics. He also talked about ways to digitize a supply chain including automation, data analytics, logistics platforms, the Internet of Things (IoT) and cloud-based technology



***6. Virtual International Conference on “Sustainability of Food-A Global Perspective” organized by the Department of Nutrition and Dietetics and Department of Physiotherapy, Faculty of Allied Health Sciences, MRIIRS in collaboration with Manav Rachna Centre for Peace and Sustainability, MRU (17 – 18 September 2021)***

The Department of Nutrition and Dietetics and Department of Physiotherapy, Faculty of Allied Health Sciences, Manav Rachna International Institute of Research & Studies in collaboration with Manav Rachna Centre for Peace and Sustainability, Manav Rachna University has organized the Virtual International Conference on Sustainability of Food-A Global Perspective from 17th – 18th September, 2021. The conference focus was on food sustainability SDGs of 2015, to disseminate and discuss the strategies of agriculture and food systems, achievement of food security, improved nutrition and promote sustainable agricultural practices. A sustainable food system lies at the heart of the United Nations' Sustainable Development Goals (SDGs). The objective of the conference was to collaborate with industries, governments, and academicians to develop sustainable solutions to improving food security, focusing on sustainable food production, and supply chain resilience.

The Conference started with the inauguration ceremony and Saraswati vandana conducted on a zoom platform with the gracious presence of eminent personalities and more than 200



participants. The proceedings commenced with the welcome address by Prof. (Dr.) Moattar Raza Rizvi, Dean Faculty of Allied Health Sciences, MRIIRS. Prefatory remarks were spoken by Prof. (Dr.) G.L Khanna, Pro Vice Chancellor, MRIIRS. He reiterated that the need of the hour is to develop sustainable food systems that are socially, economically and environmentally adoptable. He laid emphasis on biodiversity and how the agricultural experts today would share more insights with a similar agenda. Dr. Sanjay Shrivastava, Hon'ble Vice Chancellor MRIIRS, shared an inspirational message in absentia for everyone to work together in partnership. The message was followed up by Prof. (Dr.) I. K. Bhatt, Vice Chancellor, MRU, who highlighted the significance of how SDG2 i.e. zero hunger is interconnected with other SDGs and there is a requirement to deliberate and channelize action at local, national and international level. He spoke about responsible consumption as well as development of sustainable means to ensure food security.

Chief Guest Dr. Dorairaj Prabhakaran, Director, Centre for Control of Chronic Conditions (CCCC), Vice President - Research & Policy, Public Health Foundation of India (PHFI) graced the event. In his address, he shared his thoughts and experiences regarding malnutrition, environment and social sustainability. He suggested students to undertake community oriented research and adopt measures like kitchen garden, zero budget farming, vegetarianism and respect other species as part of holistic approach. The address by chief guest was followed by the release of conference proceedings. All the international & national renowned speakers lent support to this virtual conference. Vote of Thanks by Dr Divya Sanghi, HOD, Nutrition & Dietetics, FAHS, MRIIRS, gave a vote of gratitude at the end of the day.

**Day 1:** Key Note Address was given by **Dr. Sadhan Kumar Ghosh**, President, International Society of Waste Management, Air and Water Chairman, Indian Congress on Quality, Environment, Energy and Safety Management Systems, Professor, Jadavpur University, Kolkata. He talked about Sustainability of Food: SDG Perspective in Asia and the Pacific. **Dr. Binu Cherian**, Country Manager, HarvestPlus, India talked about Sustainable and Nutritious Food Systems through Biofortification. **Dr Dharam Bir Yadav**, Regional Director HAU Regional Research Station Bawal (Rewari) threw light on resource conservation technologies for sustainable agriculture. **Dr. Jyoti D. Vora**, CEO, Dhirang Consultants, Mumbai, spoke about Nutraceutical sciences: A link between biodiversity and ecosystems.

**Dr Endah Widhi Astuti**, Lecturer, Midwifery Department of Surakarta Health Polytechnic, Indonesia talked about the effect of Moringa Leaf on the quality of breast milk production on postpartum mothers in independence midwives practice in Karanganyar Regency".

**Day 2:** Key Note Address was given by **Mr. Gangadhara Reddy**, CEO & Co-Founder BlueDrop Enviro Pvt Ltd, Bengaluru . He explained Wastewater Treatment & Eco-friendly solutions.

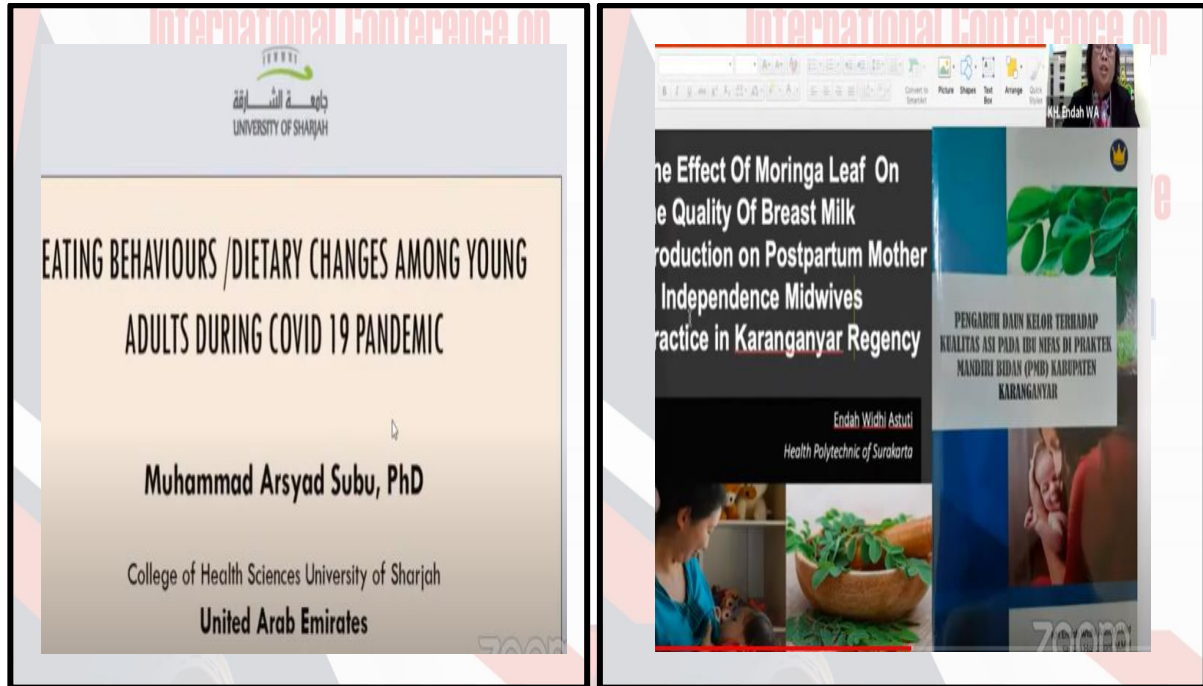
**Dr. Shweta Khandelwal**, "Program Manager, India taskforce, Lancet COVID-19 commission And Head, Nutrition Research and Additional Professor, Public Health Foundation of India, Gurugram threw light on Sustainable Healthy Diets. **Dr. Imam Waluyo**, Founder of Cahaya

**Padma Kumara Foundation, Indonesia**, discussed about the condition of breast feeding in the rural area and urban in Jakarta and surrounding areas.

**Dr. Muhammad Arsyad Subu**, Assistant professor, College of Health Sciences, University of Sharjah, UAE, talked about Eating Behaviours among Young Adults during Covid 19 Pandemic". **Dr. S.K. Bose**, Associate Professor, Faculty of Law, Manav Rachna University, Faridabad highlighted the Indian food regulatory regime, awareness, and consciousness which is required regarding the food safety laws, food safety quality requirements.

**Dr. G L Khanna**, PVC, MRIIRS appreciated the sessions and he emphasised that we as community should take initiatives to solve the Guest of honor: Dr. G.C Shrotriya, IFFCO Kisan Sanchar Limited, New Delhi. **Dr. Pushplata**, Senior Scientist fellow, TERI, Deakin Nanobiotechnology Centre, Gurugram, talked on topic "India Food production: Traditional and modern practices". **Dr. Heena Yadav**, Technical Officer, Food Safety and Standards Authority of India shared FSSAI initiatives towards ensuring sustainability in food systems in her session. Key Note Address was given by **Mr. Satish Sinha**, Associate Director, Toxics Link, New Delhi discussed about Food Policies. **Dr. Piyush Mohapatra**, Senior Coordinator, Chemical Pollution, Toxics Link, New Delhi talked about Food Safety **Ms. Chinmayee Devulgaonkar**, Managing Director at FoodChain ID (SWA) spoke regarding International Certification around Sustainability.





**7. Five day International Workshop on Wavelets and its Applications: Image Processing, Data Science and PDEs organized by Department of Mathematics MRU (06 – 10 Dec 2021)**

On the occasion of MREI 25 Year - Silver Jubilee Celebration, Department of Mathematics, Manav Rachna University in collaboration with Department of Mathematics, IIT Indore organised a five day Workshop on Wavelets and its Applications: Image Processing, Data Science and PDEs from December 06 - 10, 2021 for academicians, researchers and students. Around 600 participants registered and 400 were selected from various universities/institutions from India and abroad (Nepal, Malaysia, UAE, USA etc). Workshop was inaugurated in the benign presence of Prof. I.K. Bhat, Hon'ble Vice Chancellor, MRU, Prof. Dr. Sangeeta Banga, Dean Academics; Prof. Dr. Pradeep Varshney, Dean Research and Dean Applied Sciences; Prof. Dr. Niraj Kr. Shukla, Head - Department of Mathematics, IIT Indore, Prof. Bin Han, University of Alberta, Canada, Prof. Ratikanta Behra, University of Florida, USA, Dr. Deepa Arora, Head, Department of Mathematics and Dr. Aparna Vyas, Associate Prof. Department of Mathematics. Dr. Deepa Arora delivered the welcome address and Dr. Aparna Vyas briefed about the objective & outcome of the workshop.

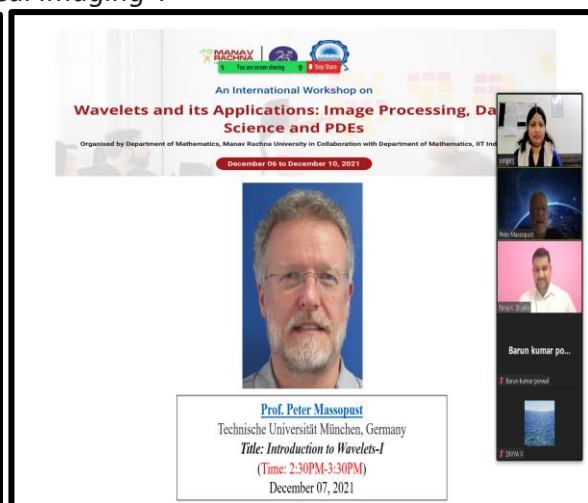
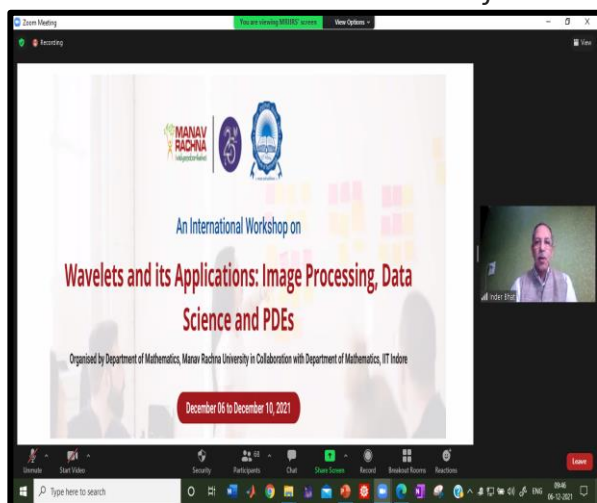
**On the first day**, the workshop consisted of two invited talks. First talk was delivered by Prof. Ram Bilas Pachori, Professor, Department of Mathematics, IIT Indore entitled “Wavelet Transform Fundamentals with Signal Processing Applications”. The second talk was delivered by Prof. Hans Georg Feichtinger, University of Vienna, Austria entitled “An axiomatic approach to mild distributions”. Prof. Pachori briefly explained the transition from

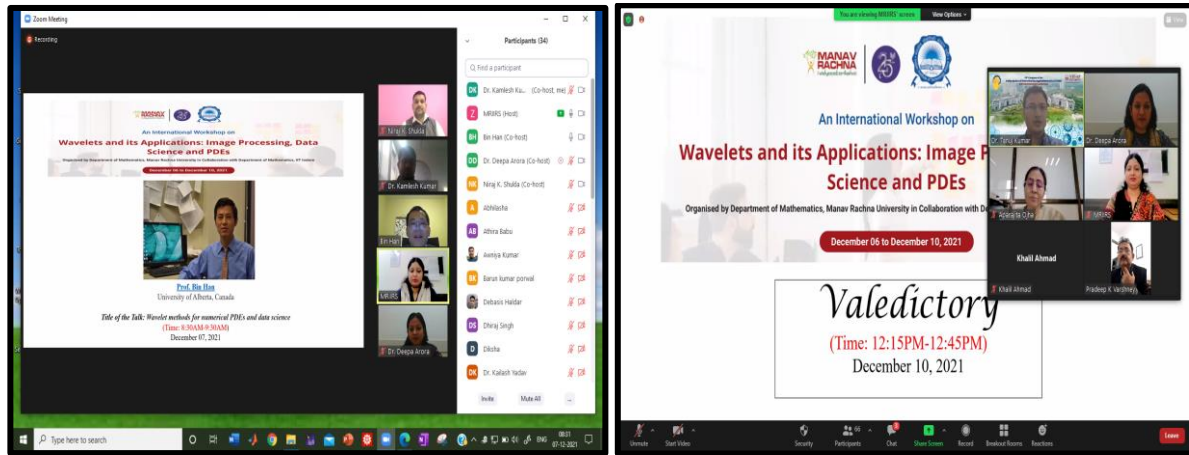
Fourier to Wavelet transforms, while Prof. Hans Georg Feichtinger discussed the advantages of the axiomatic approach to mild distributions and explained a Banach space for test functions.

**On December 07, 2021 (Day 2)** the workshop consisted of three sessions. The first session was on “*Wavelet methods for numerical PDEs and data science*” by Prof. Bin Han, Professor, University of Alberta, Canada, second session by Prof. Khalil Ahmad, Al-falha University, Faridabad & formerly Professor & Head, Department of Mathematics, Jamia Millia Islamia on “*Applications of Wavelets: Signal & Image Processing*” and session third by Prof. Peter Massopust, Technische Universität München, Germany, on “*Introduction to Wavelets-I*”.

**On December 08, 2021 (Day 3)** the workshop consisted of 3 sessions. First session was by Dr. Ram Jiware, Associate Professor, Department of Mathematics, IIT Roorkee on “*Solution Study of Differential Equations using Wavelets*”, second session by Dr. Niraj Kumar Shukla, HEAD & Associate Professor, Department of Mathematics, IIT Indore on “*Multiscale Transforms & their Applications*” and third session by Prof. Peter Massopust, Technische Universität München, Germany, for the talk entitled “*Introduction to Wavelets-II*”.

**On December 09, 2021 (Day 4)** Dr. Ratikanta Behera, Researcher, Department of Mathematics, University of Central Florida, USA gave a talk on “*An Adaptive wavelet method for the solution of PDEs on the sphere*” followed by Dr. Kuldip Singh, Assistant Professor, IIIT Naya Raipur on “*Wavelet based numerical method for PDEs arising in Finance*” and Dr. Swaraj Paul, Postdoctoral Researcher, TIFR CAM, Bangalore, on “*Microlocal Analysis of Singularities using Shearlets*”. **On December 10, 2021 (Day 5)** Dr. Rajesh Kumar Pandey, Associate Professor, Department of Mathematics, IIT BHU gave a talk on “*Fractional Filters for Retinal Blood Vessel Segmentation*” followed by Prof. Aprajita Ojha, Professor, Department of Computer Science and Engineering, IIIT DM, Jabalpur on “*Generative Adversarial Networks with Wavelets for Medical Imaging*”.





## 8. Data Science, Analytics and Cyber security (DSAC) Club in collaboration with Ureka (Oxford Science Park, Oxford, UK)

Ureka (Oxford Science Park, Oxford, UK) has collaborated with the Department of Computer Science & Technology, Manav Rachna University, to establish, support, and sponsor a student-led Data Science, Analytics and Cybersecurity (DSAC) Club on the campus to ensure that students get the following in the field:

- Advice & Guidance from Industry Experts
- Career Development Opportunities
- Professional Networking
- International Certifications & Training



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**MANAV RACHNA UNIVERSITY**  
FORMERLY MANAV RACHNA COLLEGE OF ENGINEERING  
NAAC ACCREDITED A GRADE INSTITUTION

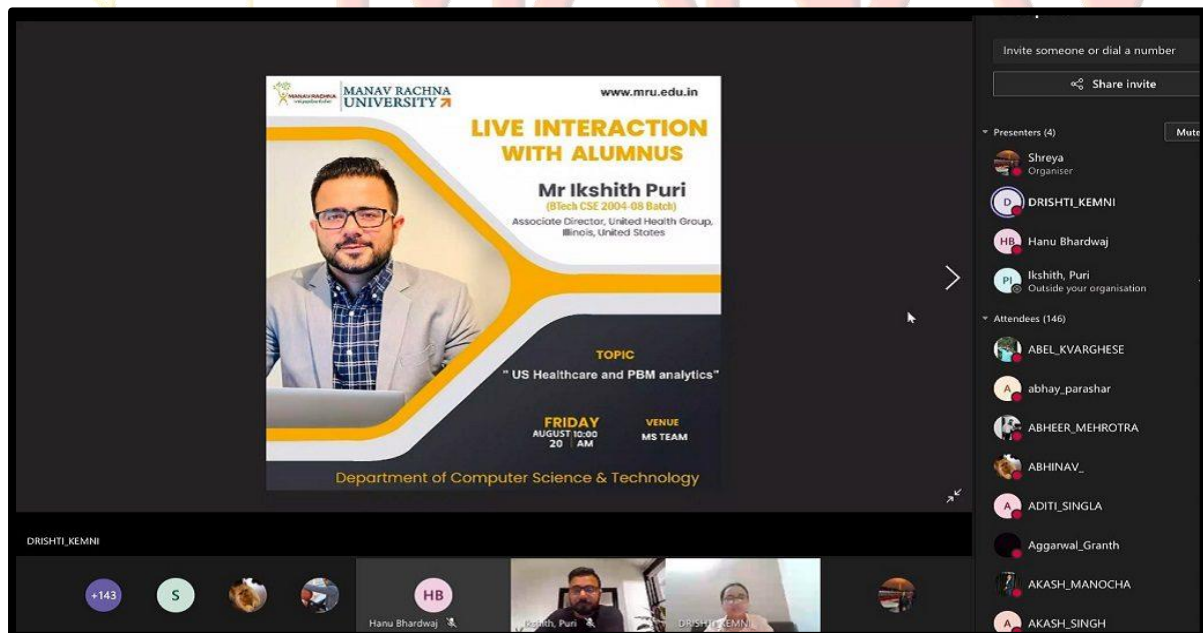
**UREKA**  
for education beyond

**Ureka Foundation**  
collaborates with  
**Computer Science & Technology Department, M**  
to Establish, Support, and Sponsor  
a Student-led  
**Data Science, Analytics and Cybersecurity (DSAC) Club**

**Faculty & Student Committee for DSAC Club**  
**SPoC** - Prof Mamta Arora, Assistant Professor, CST  
**President** - Mr Kolla Teja, BTech CSE DSML 3rd Year  
**Vice President (Marketing)** - Mr Divyanshu Sharma, BTech CSE CSTI 2nd  
**Vice President (Finance)** - Mr Arun Sharma, BTech CSE AIML 3rd Year

## 9. Alumni Interaction with Ikshith Puri, B.Tech. CSE 2004 – 08 (20 August 2021)

Department of Computer Science and Technology, MRU had a jubilate experience of interacting with alumnus Ikshith Puri, (B.Tech CSE, 2004-08 Batch), Associate Director at United Health Group for a live interaction on “US Healthcare & PBM Analytics”. Mr. Ikshith has 12 years of experience in Healthcare Analytics and is currently leading the team to provide end-to-end analytics solutions for Digital, Marketing Campaigns, and Customer Service verticals. Mr. Ikshith shared fascinating facts related to healthcare and medicines in the US & India. He framed & posed some questions to the students on the spot which made the session very interactive as well as spontaneous. The students were very keen on answering as he also awarded them with Amazon vouchers to keep students’ spirits high. Faculty members were also a part of the interaction and were glad to welcome him back to the square. He explained about various software that they can learn in order to excel or open career options further.



The screenshot shows a Zoom meeting interface. The main window displays a presentation slide with the following content:

- MANAV RACHNA UNIVERSITY** logo and website [www.mru.edu.in](http://www.mru.edu.in)
- LIVE INTERACTION WITH ALUMNUS**
- Mr Ikshith Puri** (B.Tech CSE 2004-08 Batch), Associate Director, United Health Group, Illinois, United States
- TOPIC**: "US Healthcare and PBM analytics"
- FRIDAY AUGUST 12:00 20 | AM**
- VENUE MS TEAM**
- Department of Computer Science & Technology

The right sidebar shows the meeting controls and participant list:

- Invite someone or dial a number
- Share invite
- Presenters (4): Shreya (Organiser), DRISHTI\_KEMNI, Hanu Bhardwaj, Ikshith, Puri (Outside your organisation)
- Attendees (146): ABEL\_KVARGHESE, abhay\_parashar, ABHEER\_MEHROTRA, ABHINAV\_, ADITI\_SINGLA, Aggarwal\_Granth, AKASH\_MANOCHA, AKASH\_SINGH

The bottom of the screen shows a video gallery with icons for participants: +143, S, Hanu Bhardwaj, Ikshith, Puri, and DRISHTI\_KEMNI.

## 10. LIST OF INTERNATIONAL EXPERTS (DELIVERED WEBINARS)

S. NO.	EXPERT	ORGANIZED BY
1	<b>Ms. Petra Butler</b> Professor at the Victoria University of Wellington, Co-Director of the Centre for Small States, and the Visiting Professor of Queen Mary University of London (26 July 2021)	Faculty of Law
2	<b>Prof. Monika Batra Kashyap</b> Associate Director of the Indian Centre for Law and Justice Settle University of Law (30 Oct 2021)	
3	<b>Dr. Mathew T Jenkins</b> Assistant Professor of Supply Chain Management at East Tennessee State University (22 Nov 2021)	Deptt. pf Management & Commerce
4	<b>Prof. Bungo Ochiai</b> Vice-Dean Education, Yamamgata University, Japan (19 Aug 2021)	Deptt. of Chemistry
5	<b>Dr. Hemant Chaudhary</b> Scientist at Sandia National Lab, USA (23 September 2021)	
6	<b>Prof. Minna Hakkarainen</b> KTH Royal Institute of Technology Sweden (20 Oct 2021)	
7	<b>Prof. Maria Skopina</b> Department of Applied Mathematics and Control Processes, St. Petersburg State University, Russia (Title: <i>Wavelet Approximation in Orlicz Spaces, Sept. 27, 2021</i> )	
8	<b>Prof. Luis Martinez</b> Department of Computer Science, University of Jean, Spain (Title: <i>Advanced Symbolic models for Linguistic Decision Making; Oct. 27, 2021</i> )	



9	<a href="#"><u>Prof. Hans Georg Feichtinger</u></a> University of Vienna, Austria <i>(Title: An axiomatic approach to mild distributions; Dec 06, 2021)</i>	<b>Deptt. of Mathematics</b>
10	<a href="#"><u>Prof. Bin Han</u></a> University of Alberta, Canada <i>(Title: Wavelet methods for numerical PDEs and data science; Dec 07, 2021)</i>	
11	<a href="#"><u>Prof. Peter Massopust</u></a> Technische Universität München, Germany <i>(Title: Introduction to Wavelets-I &amp; II; Dec 07 &amp; 08, 2021)</i>	
12	<a href="#"><u>Dr. Ratikanta Behera</u></a> University of Central Florida, USA <i>(Title: An Adaptive wavelet method for the solution of PDEs on the sphere; Dec 09, 2021)</i>	
13	<b>Dr Endah Widhi Astuti, Lecturer</b> Midwifery Department of Surakarta Health Polytechnic, Indonesia	
14	<b>Dr. Imam Waluyo</b> Founder of Cahaya Padma Kumara Foundation, Indonesia	<b>Sustainability of Food: Global Perspective</b>
15	<b>Dr. Muhammad Arsyad Subu</b> Assistant professor, College of Health Sciences, University of Sharjah, UAE	
<b>Alumni Interaction</b>		
1	<b>Alumni interaction – Mr. Ikshith Puri</b> (CSE 2004-08) 20 August 2021	<b>CST</b>

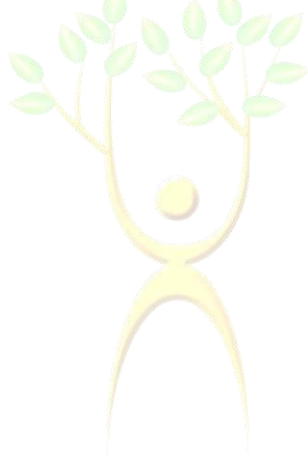
S. No.	Foreign University	Department	Collaborator	Email Id
1	The University of Melbourne	Chemistry	Dr. Meenakshi Arora	marora@unimelb.edu.au
2	Southern University Law Centre	Law	Professor Marc Roark, Associate	MRoark@sulc.edu



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	(SULC), Baton Rouge, Louisiana		Professor, SULC	
<b>3</b>	ECA Education Centre of Australia	University	Prof. Manoj Kumar Director – CRC & SALES	manoj.kumar@ecaglobal.com.au
<b>4</b>	Applied ClaaS Academy, LITHAN Singapore Campus for Courses	Management	Mr. Uday Shankar, Alliance Manager	uday.shankar@educlaas.com



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