



**MANAV RACHNA  
UNIVERSITY**

Declared as State Private University vide Haryana Act 26 of 2014

# MANAV RACHNA UNIVERSITY



## THE OFFICE OF INTERNATIONAL AFFAIRS

**REPORT**

**February 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/)

S. No.	Faculty	International Activities 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	Prof. Ajit Katiyar
8	Education & Humanities	Dr. Pooja Parmar
9	Law	Dr. 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





**Professor Minna Hakkarainen,  
Professor and Head, Division of Polymer Technology,  
KTH Royal Institute of Technology,  
SE-100 44 Stockholm, Sweden**



**Prof. Bungo Ochiai,  
Department of Applied Chemistry,  
Chemical Engineering, and Biochemical Engineering,  
Graduate School of Science and Engineering,  
Yamagata University, Yonezawa, Yamagata Japan**

**For more details:**

**<https://manavrachna.edu.in/international-education-cell/>**

#### **4. MINUTES OF THE THIRD (ONLINE) MEETING OF THE OFFICE OF INTERNATIONAL AFFAIRS (19 FEBRUARY 2022)**

**Agenda:**

1. Report on International Activities conducted by the faculties (Dec 2021, Jan 2022)
2. Proposed International activities (finalization of International calendar (till July 2022)
3. To mobilize the existing MoUs with the foreign institutes (List of identified International Institutes/Universities and Proposed collaborative plan)
4. Updates on the progress on Research Proposals and New collaborations
5. International Visiting, Adjourn Faculty/guest faculty
6. Discussion on Joint International Research Programs - Fullbright to be shared with the department
7. Responsibilities of the members
8. New developments and recent agreements

**Members present:**

1. Dr Meena Kapahi, Chairperson
2. Dr A Jayamani, Assistant. Prof., Dept of Chemistry
3. Mr Ajit, Associate Prof, Dept of ME
4. Dr Alpana, Asst. Prof., Dept of CST
5. Dr Aparna Vyas, Associate Prof., Dept of Physics
6. Ms Chaitali Wadhwa, Research Associate, Dept of Law
7. Dr Pooja Parmar, Assistant Prof, Dept of Education
8. Dr Sandeep Kumar, Associate Prof, Dept of Physics

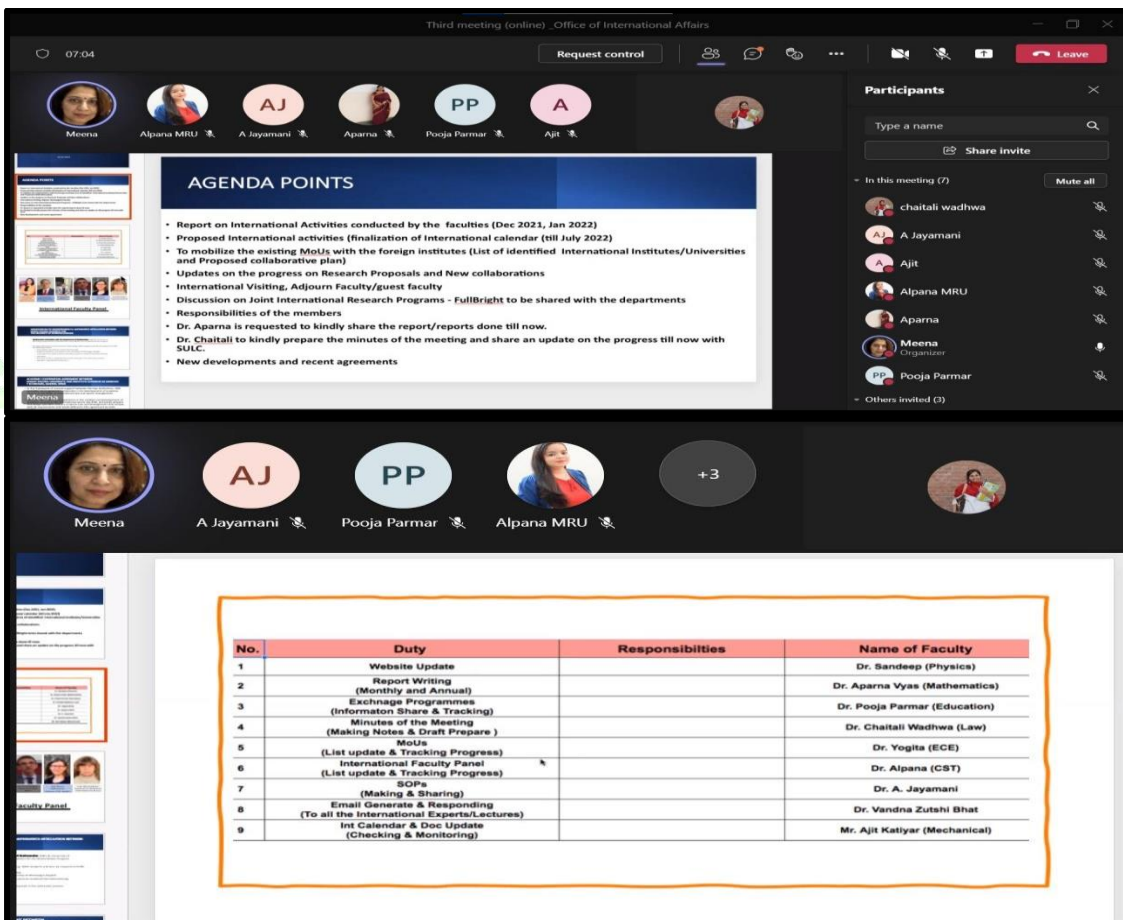
**The following points were discussed:**

- Dr. Meena Kapahi greeted the members and shared the agenda of the meeting
- Member responsibilities were reiterated.
- Website updating –
  - Members are requested to collect information of alumni, and update the information on the website.
  - Members should update details about international faculty on the website.
- Report writing –
  - Members are required to share reports according to the prescribed format.
  - They should also mention the activities/ MoUs currently in process.
  - Monthly reports will be shared regularly with the entire University.
  - Members are currently in the process of drafting Quarterly Reports.
  - Members should update and send details by Tuesday (11th Jan. 2022).
- Calendar –
  - Members should plan and update the calendar with the activities/ webinars planned.



- FullBright –
  - Members must share details of the upcoming FullBright joint international program with the students and departments.
- Recent developments –
  - MRU Maths department has signed an MoU
  - MRU Law department has signed an MoU

**Screenshots of the meeting:**



The screenshot shows a Zoom meeting interface. The top part displays the meeting title "Third meeting (online) - Office of International Affairs" and a list of participants: Meena, Alpana MRU, A Jayamani, Aparna, Pooja Parmar, and Ajit. The main content area shows a slide titled "AGENDA POINTS" with the following items:

- Report on International Activities conducted by the faculties (Dec 2021, Jan 2022)
- Proposed International activities (Finalization of International calendar (till July 2022))
- To mobilize the existing MoUs with the foreign institutes (List of identified International Institutes/Universities and Proposed collaborative plan)
- Updates on the progress on Research Proposals and New collaborations
- International Visiting, Adjourn Faculty/guest faculty
- Discussion on Joint International Research Programs - FullBright to be shared with the departments
- Responsibilities of the members
- Dr. Aparna is requested to kindly share the report/reports done till now.
- Dr. Chaitali to kindly prepare the minutes of the meeting and share an update on the progress till now with SULC.
- New developments and recent agreements

The bottom part of the screenshot shows a table with the following data:

No.	Duty	Responsibilities	Name of Faculty
1	Website Update		Dr. Sandeep (Physics)
2	Report Writing (Monthly and Annual)		Dr. Aparna Vyas (Mathematics)
3	Exchange Programmes (Information Share & Tracking)		Dr. Pooja Parmar (Education)
4	Minutes of the Meeting (Making Notes & Draft Prepare)		Dr. Chaitali Wadhwa (Law)
5	MoUs (List update & Tracking Progress)		Dr. Yogita (ECE)
6	International Faculty Panel (List update & Tracking Progress)		Dr. Alpana (CST)
7	SOEs (Making & Sharing)		Dr. A. Jayamani
8	Email Generate & Responding (To all the International Experts/Lectures)		Dr. Vandna Zutshi Bhat
9	Int Calendar & Doc Update (Checking & Monitoring)		Mr. Ajit Katiyar (Mechanical)

## 5. INTERNATIONAL CONFERENCE

***International Conference “Robotics, Automation & Communication Engineering for Industry 4.0” organised by the Faculty of Engineering, Manav Rachna University, Department of Mechanical Engineering & Department of Electronics & Communication Engineering (4 – 5 February 2022)***

The Department of Mechanical Engineering and Electronics and Communication Engineering organized an International Conference on “Robotics, Automation & Communication Engineering for Industry 4.0” on 4 - 5 February 2022. The Conference aimed to bring all the academicians, scientists, researchers, students and Industrialists, to share their experiences and research work in the field of Robotics, Automation.

### **Keynote speakers:**

- Prof. (Dr.) Manuel F. Silva, Polytechnic of Porto, Portugal
- Prof. (Dr.) Michael Short, Teesside University, UK
- Prof. (Dr.) Danilo Pelusi, Associate professor of Computer Science at the Faculty of Communication Sciences, University of Teramo, Italy
- Prof. Dr. Rajeevan Chandel, NIT, Hamirpur
- Dr. Vijay Janyani, Professor, MNIT Jaipur
- Dr. Neeta Awasthy, Director, G L Bajaj Institute of Technology, Mathura
- Prof.(Dr.) Mukul Shukla, professor, MNNIT Allahabad
- Valedictory session, Hon’ble Prof.(Dr.) D.P. Agrawal, Ex-Chairman, UPSC

Chief Guest of the session along with Hon’ble Vice Chancellor, Prof.(Dr.) I.K. Bhat, Pro-Vice Chancellor Prof.(Dr.) D.S. Sengar, and Dean Academics Prof.(Dr.) Sangeeta Banga congratulated the team of the conference.



**Prof. (Dr.) Danilo Pelusi**  
**He talked about Swarm Intelligent Algorithms for Industry 4.0” where he explained about the algorithms used for optimizing the approach used in Industry 4.0. (5 Feb 2022)**



**Prof. (Dr.) Manuel F. Silva**  
Prof Silva shared his insight on “Digital Twin for Robotics Palletizing system for Industry 4.0”. Dr. Silva introduced Digital Twin Palletizing simulator platform to execute the different activities performed by Robots. (4 Feb 2022)



**Prof. (Dr.) Michael Short**  
Prof. Short delivered his speech on “Informatics & Control for Energy Management in Smart Manufacturing”. The session focused on “Net Zero: Smarter & Greener Industry”. Prof. Short introduced the smart solution for thermal comfort & smart home devices. (4 Feb 2022)

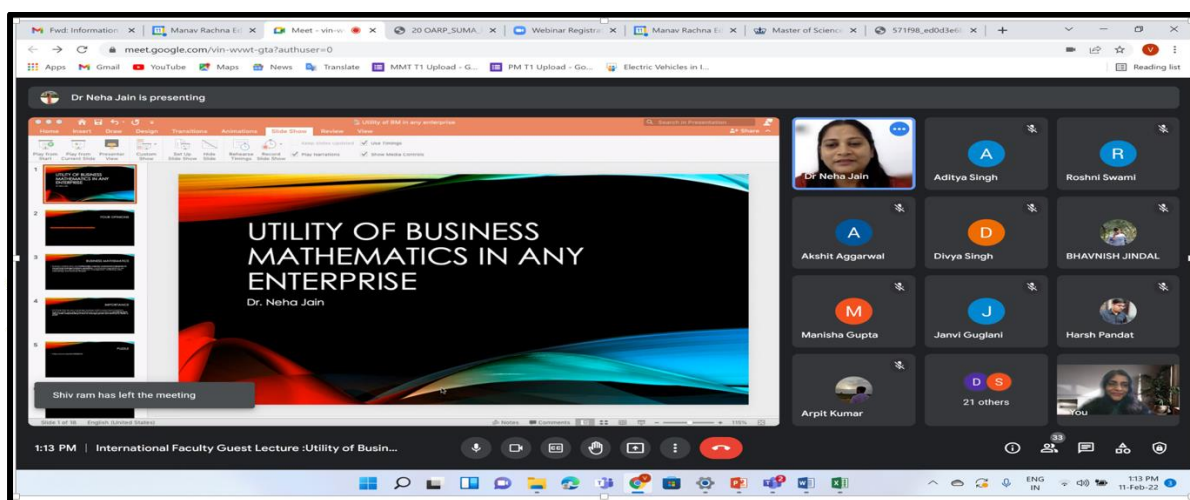


## 6. INTERNATIONAL WEBINARS

**6(a). International Webinar on “Utility of Business Mathematics in any Enterprise” by Dr Neha Jain organized by the Department of Management and Commerce (11 February 2022)**

The speaker for this session was Dr. Neha Jain, Associate Professor, Birla Institute of Technology, Dubai. Dr. Jain is a Ph.D., M.Sc. (Mathematics) having 14 years of experiences in

different professional colleges. She is also the author of five International and eight national research paper publications of mathematics used in area of Finance bio statistics and management in reputed journals. Dr. Neha Jain spoke about how business mathematics is used by commercial enterprises to record and manage business operations. Commercial organizations use mathematics in accounting, inventory management, marketing, sales forecasting and financial analysis. She further emphasised on importance of application of mathematics in this digital era of business world and how it helps to create comparative advantage amongst competitors. The session ended with a quiz in which students participated enthusiastically and Jhannvi of BBA FAA sem 4 was the top scorer.

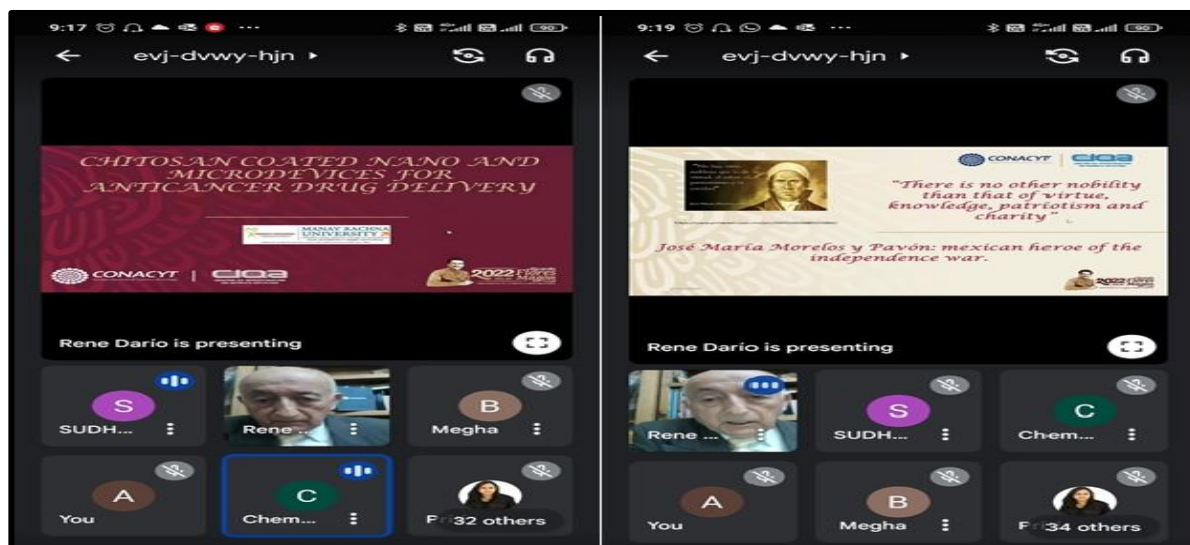


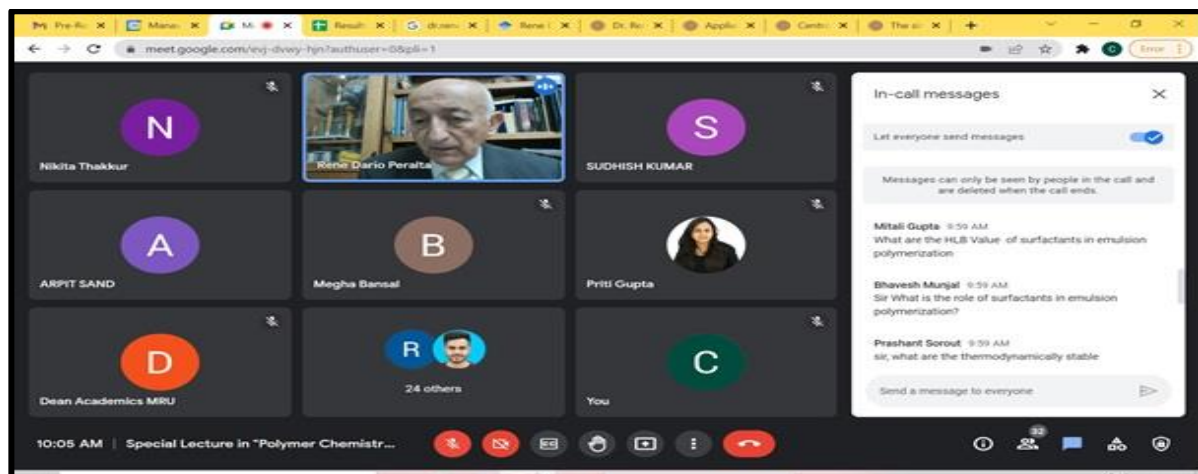
***6(b). International Webinar on “Chitosan Coated Nano and Microdevices for Anticancer Drug Delivery” by Professor Rene Dario Peralta Rodriguez, Centre for Research in Applied Chemistry, Saltillo, Coahuila, Mexico, organized by Department of Chemistry (28 February 2022)***

An international webinar on Polymer chemistry titled “Chitosan Coated Nano and Microdevices for Anticancer Drug Delivery” was organized by the Department of Chemistry, Manav Rachna University on National Science Day 28<sup>th</sup> Feb, 2022. Professor Rene Dario Peralta Rodriguez, Senior Researcher at Centre for Research in Applied Chemistry, Saltillo, Coahuila, Mexico delivered the talk which was attended by students of M.Sc. and B.Sc. (Hons), Ph. D Scholars and faculty members from the other institutions. Dr. Arpit Sand Associate Professor Chemistry welcomed the guest and the audience and gave a brief introduction about the guest speaker. More than 40 participants joined for the session. **Professor Rene Dario Peralta Rodriguez** is Senior Researcher at Centre for Research in Applied Chemistry, Saltillo. He completed his UG in Chemical Engineering at University of Coahuila, MSc in Chemical Engineering at University of Illinois, Urbana-Champaign and pursued his PhD in Agricultural Engineering at University of California, Davis. He has been a



Technical Director in Chemistry and Pharmacy at SA de CV, Ramos Arizpe, Coah from 1989 to 1992. He has been Senior Researcher C, CIQA, from 1982 to till date. He has expertise in Microemulsion-based polymeric nanodevices for drug delivery, Polymeric coating dispersions for horticultural products, Radical polymerization in aqueous disperse media. He has published enormous publications in highly reputed journals in the field of polymer chemistry with >1000 citations, h-index 21 and i10-index 37 (google scholar) also he is in the Editorial Advisory Board of several journals. **Professor Rene Dario Peralta Rodriguez** initiated his talk on Chitosan Coated Nano and Microdevices for Anticancer Drug Delivery by addressing the on giant-dwarf model of cancer-drug relation. Then he discusses Chitosan (CS), a biopolymer derived from chitin, the second most abundant natural polysaccharide (after cellulose). Its extraction from the exoskeletons of arthropods such as shrimp, crabs, and insects. Structurally, chitin is composed of a linear polymer formed by hundreds of units of  $\beta(1,4)$ -N-acetylglucosamine that repeat in the molecule. CS preparation by the alkaline hydrolysis of chitin were discussed. He informed that "In addition to the biocompatibility of CS, an interesting property that it reacts to pH: its pKa is near 6.5 and can be used to design pH-responsive devices loaded with anticancer drugs to be delivered at tumorous tissues (extracellular pH of 5–6.8)". In the presentation, he delivered his results of the formation of nanodevices based on microemulsions and coated with CS as well as CS microdevices, unloaded and loaded with anticancer drugs highlighting its developments. The lecture was very informative and beneficial to the students as well as faculty. The students asked their questions to the professor regarding HLB value of surfactants in emulsion polymerization, its role and its thermodynamic stability. The session concluded with a note of thanks by Dr. Megha Bansal Head Chemistry Department.





## 7. LIST OF INTERNATIONAL EXPERTS WHO DELIVERED WEBINARS

S. NO.	EXPERT	ORGANIZED BY
1	Prof. (Dr.) Manuel F.Silva, Polytechnic of Porto, Portugal	Deptt. of ECE & ME
2	Prof. (Dr.) Michael Short, Teesside University, UK	
3	Prof. (Dr.) Danilo Pelusi, University of Teramo, Italy	
4	Dr. Neha Jain. Associate Professor Birla Institute of Technology, Dubai	Deptt. of Management & Commerce
5	Professor Rene Dario Peralta Rodriguez, Centre for Research in Applied Chemistry, Saltillo, Coahuila, Mexico	Deptt. of Chemistry