

Bio-data

Rakesh Kumar Tekade, Ph. D

Associate Professor

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H-index- 46+; Total citations: > 6800+; Cumulative Impact factor: 450.10+

Google Scholar: http://scholar.google.co.in/citations?user=P_PJit4AAAAAJ&hl=en

Research gate: https://www.researchgate.net/profile/Rakesh_Tekade2

Faculty website: <https://iitjammu.ac.in/rakesh-k-tekade>

Institute web: www.niperahm.ac.in

SUMMARY - Teaching, Research, Funding, and Community Service Contributions

I am a formulation researcher with > 10 years of teaching and research experience (@ USA, UK, Malaysia, India), worked as **Postdoctoral Fellow-II (UT Southwestern Medical Centre, Dallas, Texas, USA; Supervisor: Prof. X Sun)**, **Postdoctoral Fellow-I (University of Hawaii, Hilo, Hawaii, USA; Supervisor: Prof. M Chougule)** with nanotechnology, nanomedicine in diagnosis and therapy as a core area of research. Recipient of **Commonwealth Fellowship (University of Central Lancashire, Preston, UK; Supervisor: Prof. Antony D' Emanuele)**, Have industrial experience (R & D, Ranbaxy Pharmaceuticals, India).

The highlights of my contributions are outlined below in three major sections:

- **Teaching and Academic activities:** I have direct experience teaching various modules for Ph.D., Masters & Bachelors students (@ **Universities based in USA, UK, Malaysia, & India**). I handled the subjects as module coordinator and was actively involved in curriculum review and curriculum design. I have developed one postgraduate module as a module coordinator for the Master's program. I have experience actively working in various institutional committees viz: Library committee, Scientific Research committee, Vetting Committee, Purchase Committee, Hostel Committee, etc. **Awarded Top 2% researcher in the field of Pharmacy and Pharmacology, by Stanford University, USA**

- **Research:** My research focus on translational nanomedicine, nanoformulation design and development, and evaluation of different biocompatible nanoparticle-based platform technologies for targeted drug, protein, RNAi delivery, and imaging agents. To date, **published >200 Publications** (ACS, Elsevier, Springer, Taylor&Francis and Wiley, Bentham, etc.), **Total citations > 6800; H-index of 46 (Cumulative Impact Factor: 450.10)**. **EDITED 08 ELSEVIER Books (as EDITOR)**, **05 invited editorial articles**, and **05 Patent applications**. **First author of an article in Chemical Reviews (ACS; 2021 Impact Factor 60.5)**. I have industrial experience in developing modified release solid dosage forms while working with Ranbaxy Laboratories (R&D division). I am the recipient of several acclaimed awards, including Commonwealth Fellow- UK (2009), **National Doctoral Fellow (AICTE-NDF)**, **IRISH Government Postdoctoral Award (IRISH-PDF)**, and **CSIR Senior research fellowship (CSIR-SRF)**, India and Junior Research Fellowship, India (**AICTE-JRF**) award. I have proven experience in new project development and grant submission for NIH-USA (R01, R21, R03, R15, SC3), Department of Defense, USA (DOD), and NSF-USA. Till date mentored: **02 Postdoc; 07 Ph.D*, 50 Masters, 10 B. Pharm/ Biomed. Sci. Dissertations**. Serving as **Principal Investigator for two DST funded projects (39 Lakhs and 25 lakhs, respectively)**, and awarded **Fundamental research Grant, Malaysia (133,000 Malaysian Ringgit; Role-PI)**. The research goal is to expand the research program via extramural funding to translate the preclinical findings to clinical setup. Current research involves developing nanoparticle or microparticle-based drug, protein, and siRNA delivery and theragnostic medical devices for the treatment of cancer, diabetic nephropathy and arthritis, and cerebral stroke disorder.

- **Professional Service:** I am serving/served as a **member** on various **Institution committees**, including the Board of Studies and Research, Research advisory committee, Equipment purchase committee, Senate committee, Placement committee, Grant reviewer for the FONDECYT FUNDS (**Chile**), National Science Centre (Poland); French National Research Agency (ANR) **France**, Khwarizmi International Award (KIA) (**Iran**). Thematic Editor for international journals; an **Editorial Board member** for five international journals; and a **referee** for >30 reputed international journals.

EDUCATIONAL DEGREE QUALIFICATION

INSTITUTION	DEGREE/QUALIFICATION	Year of Award
Dr. Hari Singh Gour Central University, Sagar, India. ^{b,c,d} as Commonwealth Split-site Fellow in University of Central Lancashire , School of Pharmacy and Biomedical Sciences, Preston, (UK). Funded by: <ul style="list-style-type: none"> British Council, UK Council of Scientific and Industrial Research, New Delhi 	Ph. D. (Pharmaceutical Sciences)	2011
Dr. Hari Singh Gour Central University, Sagar, India (Funded by AICTE, New Delhi as Junior Research Fellow, JRF). Funded by: All India Council for Technical Education, New Delhi	M. Pharm. (Pharmaceutics; 78 %Marks)	2006
Rajiv Gandhi Technical University, India	B. Pharm. (75.7 %Marks)	2004
Indian Institute of Technology, New Delhi	IIT-GATE (86.78 %tile; All India Rank: 1133)	2004

FELLOWSHIPS & RESEARCH TRAININGS

Research Trainings	Institutions	YEAR(s)
Postdoctoral Fellow-II	UTSouthwestern Medical Centre, Dallas, 5323 Harry Hines Boulevard, Dallas, TX 75390 Texas (USA).	2013-2014
Postdoctoral Fellow-I	University of Hawaii, College of Pharmacy, 200 W Kawili St, Hilo, HI 96720, Hawaii (USA)	2012-2013
Commonwealth Fellow-UK	University of Central Lancashire, School of Pharmacy and Biomedical Sciences, Fylde Rd, PR1 2HE, UK Preston, (UK)	2009-2010
CSIR-SRF	Council of Scientific and Industrial Research (CSIR), New Delhi	2008-2011
AICTE-JRF	All India Council for Technical Education (AICTE), New Delhi	2004-2006

Other Fellowships

^a AICTE-National Doctoral Fellowship (AICTE-NDF); ^b CSIR-SRF; ^b AICTE-JRF; ^b Mottan Devi Dandiya award-Dandiya Trust, India; ^c Commonwealth Fellowship: British Council, London, UK (British Council, UK); ^d IRISH Government Postdoc Grant- Irish Research Council (IRC, IRELAND)

EMPLOYMENT HISTORY

- **Associate Professor:** National Institute of Pharmaceutical Education and Research (NIPER) – Ahmedabad, Feb 2020- Till date.
- **Assistant Professor:** Indian Institute of Technology (IIT)- Jammu, Katra Highway, Jagti, Jammu, J and K, India, July 2019- Jan 2020.
- **Assistant Professor:** National Institute of Pharmaceutical Education and Research (NIPER) – Ahmedabad, July 2016- June 2019.
- **Lecturer-IV** – Department of Pharmaceutical Technology, International Medical University, Malaysia, Aug 2014- May 2016
- **Postdoctoral Fellow-II:** The University of Texas, UT Southwestern Medical Centre-Dallas, Texas, USA, Aug 2013- June 2014
- **Postdoctoral Fellow -I:** The University of Hawaii, Hilo, Hawaii, USA, July 2012- Aug 2013
- **Faculty of Pharmaceutics:** Shri Ravishankar College of Pharmacy, Rajiv Gandhi Technical University, Bhopal, India, Jun 2011- Jul 2012
- **Commonwealth Fellow:** University of Central Lancashire, Preston, UK, Aug 2009-Aug 2010
- **Scientist (Formulation):** Ranbaxy Laboratories Ltd, R & D, Dewas India, Sep 2007- Mar 2008

PUBLICATIONS:

- Total Publications: > 250
- **H-index: 46**
- **Reference Books Published: EDITED #8 ELSEVIER (as EDITOR)**
- **Editorials: #5 invited editorial articles**
- Total Patent applications: 05 (+2 under drafting with patent attorney)
- **Highest Impact factor: ACS *Chemical Reviews* (2021 Impact Factor 60.5).**

Total citations: > 6800

Cumulative Impact Factor: >450

For more Details visit:

- PUBMED Link: <https://www.ncbi.nlm.nih.gov/pubmed/?term=tekade+rk>
- Google Scholar: http://scholar.google.co.in/citations?user=P_PJit4AAAAJ&hl=en
- Research gate: https://www.researchgate.net/profile/Rakesh_Tekade2
- Faculty profile: <http://www.niperahm.ac.in/dr-rakesh-tekade.htm>
- Institute web: www.niperahm.ac.in

REFERENCE BOOKS EDITED



1. Tekade RK (Editor), *DOSAGE FORM DESIGN CONSIDERATIONS*, Volume -I, **Publisher: ELSEVIER**, ISBN: 978-0-12-814423-7, **Place of Publication: USA**
ONLINE LINK: <https://www.elsevier.com/books/dosage-form-design-considerations/tekade/978-0-12-814423-7>
2. Tekade RK (Editor), *DOSAGE FORM DESIGN PARAMETERS*, Volume – II, **Publisher: ELSEVIER**, ISBN: 9780128144213, **Place of Publication: USA**
ONLINE LINK: <https://www.elsevier.com/books/dosage-form-design-parameters/tekade/978-0-12-814421-3>
3. Tekade RK (Editor), *Basic Fundamentals of Drug Delivery*, **Publisher: ELSEVIER**, ISBN: 78-0-12-817909-3, **Place of Publication: USA**
ONLINE LINK: <https://www.elsevier.com/books/basic-fundamentals-of-drug-delivery/tekade/978-0-12-817909-3>
4. Tekade RK (Editor), *Biomaterials and Bio-Nanotechnology*, **Publisher: ELSEVIER**, ISBN: 978-0-12-814427-5, **Place of Publication: USA**
ONLINE LINK: <https://www.elsevier.com/books/biomaterials-and-bio-nanotechnology/tekade/978-0-12-814427-5>
5. Tekade RK (Editor), *Drug Delivery Systems*, **Publisher: ELSEVIER**, ISBN: 978-0128144879, **Place of Publication: USA**
ONLINE LINK: <https://www.elsevier.com/books/drug-delivery-systems/tekade/978-0-12-814487-9>
6. Tekade RK (Editor), *Drug Delivery Systems*, **Publisher: ELSEVIER**, ISBN: 978-0128144879, **Place of Publication: USA**
ONLINE LINK: <https://www.elsevier.com/books/the-future-of-pharmaceutical-product-development-and-research/tekade/978-0-12-814455-8>
7. Tekade RK (Editor), *Biopharmaceutics and Pharmacokinetics Considerations*, **Publisher: ELSEVIER**, ISBN: 9780128144251, **Place of Publication: USA**
ONLINE LINK: <https://www.elsevier.com/books/biopharmaceutics-and-pharmacokinetics-considerations/tekade/978-0-12-814425-1>

PATENTS

- Patent Title:** NanoGold topical pharmaceutical composition and method for the treatment of rheumatoid Arthritis, **Indian Patent Application No. 202121006994 (Date: 19/02/2021).** **Name of Inventor:** Tekade RK, Chaudhari S, Bollampally SP, Kalyane D, Polaka SN, Khairnar A, Sharma N, Kalia D
- Patent Title:** Development of an advanced, "Mix-and-Deliver-Type" In Vivo applicable Polymeric Gene Transfecting Reagent for Cancer Therapy, **Indian patent, Patent Application No.# 201821043610 (Date: 20/11/2018).** **Inventor Name:** Tekade RK, Tambe V, Gondaliya P, Kalia K
- Patent Title:** Targeting Peripheral Neurons using Tramadol hydrochloride encapsulated PEGylated albumin nanoparticles for safe and effective antinociceptive activity, **Indian patent, application No.# 201921010920 (Date: 20/03/2019).** **Inventor Name:** Tekade RK, Tiwari V, Sharma D, Prajapati N, Raval N, Kalia K
- Patent Title:** Method of loading and stabilization of siRNA in negatively charged Polymer for cytosolic delivery of same. **Indian patent, Patent Application No: # 201921019898 (Date: 20/05/2019).** **Inventor Name:** Tekade RK, Raval N, Jogi H, Gondaliya P, Kalia K
- Patent Title:** Ultradeformable liposomal gel of Vancomycin. **Indian patent, Patent Application No.# 1045/MUM/2015.** **Inventor Name:** Maheshwari RM, Yadav R, Tekade RK

THESIS SUPERVISED /Consultant

Degree	Number of students supervised/ Supervising
Postdoc	1 Completed (+1 Ongoing)
Ph.D	2 Awarded (+6 Ongoing)
M.Pharm/ MS	50 (+7 Ongoing)
B. Pharm/ Biomed. Sci.	16

THE TIMES OF INDIA, AHMEDABAD
THURSDAY, NOVEMBER 5, 2020

GUJARAT

Gujarat scientists bag global honour

Around 12
Selected In
World's Top
2% List

Prashant Rupera &
Parth Shastri | TNN

Vadodara: A dozen-odd scientists from Gujarat have been ranked among top 2% global scientists in their respective fields in the report released by the prestigious Stanford University.

The rankings are based on a database of over 1.50 lakh scientists. So far, there was no large-scale database that ranks all the most cited scientists in each and every scientific field to a sufficient ranking depth. The report has referred largely to Scopus, a database, which ranks scientific journals and gives a citation index.

The scientists are from Sardar Patel University (SPU), Ahmedabad University, MSU, GFSU, MP Shah Medical College (MPSCM), Jamnagar; Sardar Patel Renewable Energy Research Institute (SPRE-RI), PDPU, CEPT University, Government Engineering College (GEC), Patan; St. Xavier's College, Anand Agricultural University (AAU) and Muljibhai Patel Urological Hospital (MPUH), Nadiad

STANFORD REPORT

➤ Number of research papers published by the scientist

➤ Number of times an expert is cited

➤ H-index, a rough measure of scientist's standing in his/her fraternity

➤ Rankings based on database of over 1.5L scientists

RAKESH TEKADE | NIPER AHMEDABAD

SUBJECT AREA |
PHARMACOLOGY & PHARMACY

The associate professor is a formulation researcher with teaching and research experience in the US, the UK and Malaysia along with other institutions in India. His research focuses on translational nanomedicine, nanoformulation design & development and bio-compatible targeted drug delivery system in diseases such as cancer and diabetes. He is the principal investigator in two DST-funded projects in pharmacology and has over 110 peer-reviewed publications to his credit. NIPER-A officials said that he's among the youngest of the researchers from India in the field of pharmacy on the list.



N V SASTRY | DEPT OF CHEMISTRY, SPU

SUBJECT AREA | CHEMICAL
ENGINEERING

His area of research is thermophysical studies of non-reacting non-associated chemical systems. His contribution in this area is highly useful in designing the process parameters for reactor design and process control. The other area of his research is colloidal aspects of soft matter which has uses in designing efficient drug carrier and release systems. He is the founder head (in-charge) Center for Interdisciplinary Studies in Science and Technology. He has successfully completed 11 major research projects funded by national agencies. He led his team to establish high end sophisticated equipment at the department and the university campus.



PANKAJ JOSHI | CHAROTAR UNIVERSITY OF SCIENCE & TECHNOLOGY

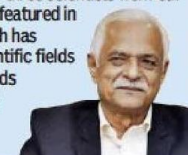
SUBJECT AREA | NUCLEAR AND PARTICLE PHYSICS

Professor Joshi, an authority on black holes, was a senior professor with the Tata Institute of Fundamental Research, Mumbai before joining as provost of Charusat University Changa. He is the founding director of the International Center for Cosmology at Changa. His research in the fields of gravitation and cosmology is reported in more than 200 research papers in journals of repute. His extensive analysis of general relativistic gravitational collapse provides significant insights into the final fate of massive collapsing stars in the universe, formation of space-time singularities and cosmic censorship. Recently, he was elected as president of Gujarat Science Academy.



“We are extremely proud that as many as three scientists from our university have featured in this report which has covered 27 scientific fields and 176 sub-fields

Shirish Kulkarni
SARDAR PATEL
UNIVERSITY, VC



Scientist Stream Institute

Y K Agrawal Analytical Chemistry
GFSU

Pal GP Anatomy & Morphology
MPSCM, Jamnagar

Sanjib Kumar Karmee
Biotechnology SPRE-RI

Datta Madamwar Biotechnology
SPU

N V Sastry Chemical Engg SPU

L M Manocha Materials SPU

Vinod K Shahi Chemical Engg
CSMCRI

Shantilal Oswal Chemical Engg
VNSGU

Pratap Bahadur Chemical Physics
VNSGU

Sudhir Jain Civil Engg IIT,
Gandhinagar

Subhash Shah Energy PDPU

Priyadarshi Shukla Energy
Ahmedabad University

NK Bansal Energy CEPT
University

Hitesh Panchal Energy GEC,
Patan

Sanjeev Gupta Physics St.
Xavier's College, Ahmedabad

Pankaj Joshi Nuclear Physics
CHARUSAT

Sushil Kumar Plant Biology &
Botany AAU

Bhavanath Jha Plant Biology and
Botany CSMCRI

A Bhattacharya Polymers
CSMCRI

Mahesh Desai Urology &
Nephrology MPUH, Nadiad

EDITORIAL ROLES

- **Series EDITOR of ELSEVIER Book Series “Advances in Pharmaceutical Sciences and Research”** (Publisher: Elsevier, USA)
- **Published 08 ELSEVIER BOOKS as Editor** (Publisher: Elsevier, USA)
- **Guest Editor in chief ‘Thematic’:** Current Pharmaceutical Design (Bentham Publisher), Impact factor: 3.3 Year
- **INTERNATIONAL ADVISORY BOARD MEMBERS, International Journal Of Pharmaceutical Sciences And Research.** (2008-Till Date)
- **Executive board Member:** *Int. J. Pharm. Pharma. Sci.* (2009-Till Date)
- **Assistant editor:** *American Journal of Phytomedicine and Clinical Therapeutics* (2012-Till date); <http://www.ajpct.org/index.php/editorial-board>
- **Editorial Advisory Board,** Pharm Aspire Journal
- **Editorial Board Member,** American Journal of Pharmaceutical Sciences and Nanotechnology
- **Editorial Panel Member,** EC Pharmacology and Toxicology <https://www.econicon.com/ECPT-EB.php>

REVIEWER FOR PEER-REVIEWED SCIENTIFIC JOURNAL

Chemical Reviews (ACS; IF-60.35); J. Controlled Release (Elsevier; IF-9.8); Biomaterials (Elsevier; 14.4); Acta Biomaterialia (IF 8); Drug Discovery Today (Elsevier: IF-7.1); Nanomedicine: Nanotechnology, Biology and Medicine (Elsevier; IF-5.8); Materials Sci. Eng. C (IF-7.5); Nanomedicine London (Future Medicine; IF-5.8); Biomaterial Science (Springer; IF-4.8); Molecular Pharmaceutics (ACS; 4.5); European J. Pharmaceutical Sciences (Elsevier; IF-4.5); J. Biomedical Nanotechnology (American Scientific Publishers; 4.5); Bioorganic Chemistry (Elsevier; IF-3.9); International Journal of Pharmaceutics (Elsevier; IF-5.7); Current Pharmaceutical design (**Guest Editor**; IF- 3.1); J. Drug Targeting (Taylor & Francis; IF- 3.2); Current Drug Delivery (Bentham Science; IF-2.33); Sensors & Actuators: A. Physical (Elsevier; IF-3.3); others

ACADEMIC AND PROFESSIONAL HONORS

HONOR or AWARD	YEAR(s)	NOTES
Top 2% Scientist	2021	Stanford University, USA
Best Paper award, NIPER-Ahmedabad, India	2020	NIPER-Ahmedabad, Ahmedabad, India
Best Paper award, NIPER-Ahmedabad, India	2019	NIPER-Ahmedabad, Ahmedabad, India
Best Paper award,	2018	NIPER-Ahmedabad, Ahmedabad, India
Best Paper award, NIPER-Ahmedabad, India	2017	NIPER-Ahmedabad, Ahmedabad, India
Best Paper award, NIPER-Ahmedabad, India	2016	NIPER-Ahmedabad, Ahmedabad, India
Best Poster Award	2014	RSC, UK-Malaysia Joint Conference
Research Travel Award , Society of Nuclear Medicine Conference, The University of Texas- USA 2014	2014	Awarded to selected applicants on the basis of significance of work by UTSW panel-USA
IRISH Research Council Government Postdoctoral Award	2013	One of most competitive fellowship awarded by Govt. of Ireland
Travel Grant , Controlled Release Society Conference-The University of Hawaii, USA	2013	Awarded to selected postdoctoral fellows by Hawaiian CRS Chapter-USA
Young Scientist Award	2012	1 st ICPPS, Bhopal-India
Commonwealth Fellowship Award , British Council-London, UK	2008-2009	Awarded to 4 Pharmacists from India to pursue PhD work in UK
Travel Grant , Int. Conference on Biomedical Application of Dendrimer, France	2009	Awarded by University of Central Lancashire, UK to present research work
Senior Research Fellowship Award , CSIR, New Delhi, India	2008-2012	One of India's most prestigious scholarship (Funded for doing PhD)
Best paper award , Mottan Devi Dandiya Trust, India. 2009-2010	2009	Awarded for publication in Chemical Reviews (Impact factor-60.66)
National Doctoral Fellowship , AICTE, New Delhi, India, declined.	2009	One of India's most prestigious scholarship

GRANTS AWARDED

Research Topic	Grant Value	Sponsoring Agency	Year Awarded	Status	Role
Aptamer Targeted Nanohybrid for Chemo-Photothermal Therapy of Leukemia: An In vitro Proof of Concept (Grant No: 5/3/8/33/ITR-F/2018-ITR)	12.7 Lakhs	ICMR, New Delhi	2019	Ongoing	PI
Dendronized polymeric nanoparticles to deliver Anti-miRNA for treatment of Triple Negative Breast Cancer Award Letter No: ECR/2016/001964	39.1 Lakh	DST, SERB India	2018	Ongoing	PI
Triple punch approach for triple negative breast cancer by delivering siRNA and doxorubicin using graphene oxide wrapped polymeric nanoparticles Award Letter No: PDF/2016/003329	20 Lakh	DST, SERB India	2017	Completed	Primary Supervisor
A novel strategy to explore endosomal degradation of gene therapeutics Award Letter No: IMU/1/2015/SKK10/IMU/02/1 (FRGS/1/2015/SKK10/IMU/02/01)	133,000 Malaysian RM (22 Lakh INR)	Fundamental Research Grant Scheme, Ministry of Health, Malaysia.	2016	Completed	PI
Industrial consultancy project for the development of sustained releasing formulation of natural extract	70,000 Malaysian RM (12 Lakh INR)	InQ Pharmaceuticals, Malaysia	2015	Completed	Co-PI
Synthesis and characterization of MTX conjugated gold nanocapsules for cancer Therapy	12,000 Malaysian RM (2 Lakh INR)	IMU-JC, Graduate Research Grant, Kuala Lumpur-Malaysia	2015	Completed	PI
Formulation Development And Evaluation Of Aloe Vera/gold loaded Alginate-Gelatin Composite Film For Wound Healing Activity	12,000 Malaysian RM (2 Lakh INR)	IMU-JC, Graduate Research Grant, Kuala Lumpur-Malaysia	2015	Completed	Co-PI
Anticancer activity of hybrid silver-graphene oxide nanocomposites	12,000 Malaysian RM (2 Lakh INR)	IMU-JC, Graduate Research Grant, Kuala Lumpur-Malaysia	2015	Completed	Co-PI
Bioanalytical method development and validation of andrographolide in rat plasma	3,000 Malaysian RM (50000 INR)	Biomed Research Grant, IMU, Kuala Lumpur, Malaysia	2015	Completed	PI
To evaluate anti-proliferative potential of dendrimer stabilized lipid vesicular packets of paclitaxel against Lung Cancer	3,000 Malaysian RM (50000 INR)	Biomed Research Grant, IMU, Kuala Lumpur, Malaysia	2014	Completed	PI
To evaluate anti-proliferative activity of andrographolide microemulsion in cancer cell lines	3,000 Malaysian RM (50000 INR)	Biomed RES Grant, IMU, Kuala Lumpur, Malaysia	2014	Completed	Co-PI
Diabetic wound healing application of Aloe-vera and gold nanoparticles blended gelatin composite film: An in vivo assessment	6,000 Malaysian RM (1 Lakh INR)	Biomed RES Grant, IMU, Kuala Lumpur, Malaysia	2016	Completed	Co-PI

PROFESSIONAL COLLABORATIONS

NIPER; University of Mississippi, USA; Concordia University, Wisconsin, USA; UT Southwestern Medical University, Texas, USA; University of Hawaii, Hilo, USA; Akorn Pharmaceuticals, Inc., Research and Development, USA; Wayne State; University, Detroit, Michigan, USA; University of Newcastle, Australia; Liverpool John Moores University, Liverpool-UK; DeMontfort University, DeMontfort-UK; University of Bradford, UK; Qatar University, Doha-Qatar; King Faisal University, Saudi Arabia; Taylor's University, Selangor, Malaysia; International Medical University, Kuala Lumpur, Malaysia; Faculty of Pharmacy, Philadelphia University– Jordan; Dr. Hari Singh Gour Central University, Sagar-India; Indian Institute of Technology (IIT), Jammu, India; Shri Mata Vaishnav Devi University (SMVDU), Katra, J&K, India, etc.