



**GURUNANK COLLEGE OF PHARMACY**  
**NAGPUR**

# **INDOCTRINATE**



**IQAC**  
**NEWSLETTER - 21**  
(16 JUNE 2020-15 JUNE 2021)  
**16 JUN, 2021**

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## **Editorial Board**

**Mr. Krishnakant Bhelkar**

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• **TECHNICAL ARTICLE** •

**Artificial intelligence during the dire times (Covid-19)!**

**Asema Razi**

**B. Pharm III Year**

Artificial Intelligence describes the use of machine-learning algorithms and software, or artificial intelligence (AI), to mimic human cognition. The past two decades were marked by the outbreaks of many viral diseases such as Ebola, Zika, Nipah, SARS, MERS, and many more. The world woke up to this decade with a new disease outbreak: a novel Coronavirus. Artificial intelligence happens to be one of the most important and commonly discussed topics throughout the world, specifically after the outbreak of Covid-19. Since various branches of AI have been used in several disease outbreaks earlier. Thus, AI can play a vital role in the fight against COVID-19. It can help fight Covid-19 in many ways starting from monitoring the cases to predicting future outbreaks.

There are programs, networking available which ensures that effective tracking of covid spread is available, such programs also managed to show the most affected regions. Health Map collects the publicly available data on COVID-19 and makes it readily available to facilitate the effective tracking of its spread. AI also plays a major role in resource allocation during a dearth of oxygen cylinders, and ventilators. It provided critical information for resource allocation and decision-making by prioritizing the need for ventilators and respiratory supports in the Intensive Care Unit

AI was used for the detection and quantification of COVID-19 cases from chest x-ray and CT scan images. Researchers have developed a deep learning model called COVID-19 detection neural network (COVNet), for differentiating between COVID-19 and community-acquired pneumonia based on visual 2D and 3D features extracted from the volumetric chest CT scan. Chat bots like Whats App and telemedicine were very conducive during such times. It not only reduced the physical crowding of hospitals as well as the spread of infection but also provided much-needed support to patients in remote settings.

AI techniques can effortlessly complement the traditional technologies by virtual screening and validation processes. It can also accelerate the pace by deriving useful data for drug repurposing or drug repositioning. BenevolentAI used machine learning methods to accelerate its drug discovery program and identified baricitinib as a potential drug against COVID-19. In-silico Medicine has identified several small molecules against COVID-19 using AI. Another study combined virtual screening and supervised learning to identify potential drugs against COVID-19. Many machine learning approaches and deep learning-based applications are also being used for expediting the drug discovery process.

As the covid spread gained speed, there began another race for the treatment/cure, development of a vaccine, and of understanding the pathogen's nature. With the help of AI, the pace of this race increased tenfold. For example; the Vaxign and the newly developed machine learning-based Vaxign-ML reverse vaccinology tools to predict COVID-19 vaccine candidates.

All in all the COVID-19 pandemic has led to a catastrophic number of deaths, and the unprecedented pace of efforts to address the COVID-19 pandemic situation is leveraged by big data and artificial intelligence. The Covid pandemic has reminded us of the dire need for public health interventions as well as data and artificial intelligence.

• ACCOLADES/ACHIEVEMENTS •

**PhD Awarded**

- **Dr. Amar Hanumant Deshpande** awarded PhD on 28<sup>th</sup> August 2020 for the thesis entitled “Rice bran wax as potential additive in pharmaceutical formulations” by JNTU, Hyderabad under the guidance of Dr. D. D. Wasule, LAD & Smt. R P College, Nagpur
- **Dr. Archana Nischal Mungle** awarded PhD on 12<sup>th</sup> October 2020 for the thesis titled Phytochemical studies of alleged anticancer plant by RTM Nagpur University, Nagpur under the guidance of Dr. A. M. Itadwar, Principal, GNCP, Nagpur.

• ACADEMIC ACHIEVEMENTS •

**RTMNU M. Pharm Result:**

Branch	% Result	Topper (% Score)
<b>M. Pharm – IV Sem</b>		
Pharmaceutics	100%	Bhakti Kadu (81.40%)
Quality assurance	100%	Preeti Rathour (79.80%)
P. Chemistry	100%	Zaveriya Sheikh (78.20%)
<b>M. Pharm – III Sem</b>		
Pharmaceutics	91.66%	Ankita Soni (86.66%)
Quality assurance	100%	Preeti Rathour (86.09%)
P. Chemistry	100%	Priya Vaswani (77.33%)
<b>M. Pharm – II Sem</b>		
Pharmaceutics	100%	Prachi Pahade(82.15%)
Quality assurance	100%	Vaishnavi Nimbalkar (82.76%)
Pharmaceutical Chemistry	100%	Kalpana Tirpude (74.61%)
<b>M. Pharm – I Sem</b>		
Pharmaceutics	100%	Hasan Hussain (79.84%)
Quality assurance	93.75%	Mona Salwatkar (73.07%)
Pharmaceutical Chemistry	90.90%	Zaveria Sheikh (70.61%)

**RTMNU B. Pharm Result:**

Year	% Result	Topper (% Score)
B. Pharm. VIII Sem	100%	Kanchan Kuralkar (88.90%)
B. Pharm. VII Sem	98.55 %	Sakshi Rathi (85.5%)
B. Pharm. VI Sem	100%	Ayushi Jumle (90.14%)
B. Pharm. V Sem	95.71 %	Apoorva R. Mirche (88.15%)
B. Pharm. IV Sem	100%	Ritik Sandesh (86.85%)
B. Pharm. III Sem	98.59 %	Achal Chandankhede (90.33%)
B. Pharm. II Sem	98.46%	Mariya Amravatiwala (90.06%)
B. Pharm. I Sem	100%	Mariya Amravatiwala (87.03%)

**• GPAT 2021 QUALIFIER •**

Sr. No.	Name of student	GPAT AIR
<b>B. Pharm Final Year</b>		
01	Kapil Dholwani	83
02	Lakshya Udasi	313
03	Sandesh Purohit	594
04	Vidhi Dugar	802
05	Kanchan Kuralkar	878
06	Kalyani Thakre	878
07	Sumbul Fatma Hasan Khan	934
08	Sakshi Rathi	1404
09	Divya Atram	1404
10	Devesh Pelagade	1851
11	Zahara Khan	1969
12	Chetana Shelote	2860
13	Pratiksha Bramhe	2860
14	Umra Ansari Azam	3102
15	Harshali Chonde	3182
16	Khushbu Sharma	3642
17	Pratiksha Bhajikhaye	4104
18	Amruta Lakhe	4568
20	Dipti Masram	18685
<b>B. Pharm Third Year</b>		
21	Apoorva Mirche	382
22	Jyoti Choudhari	3550

**• PLACEMENT •**

Sr. No.	Name of the employer with contact details	Number		Pay package at appointment
1	Kopran Pharma Ltd, Mumbai	M. Pharm	1	1.75 Lakhs
2	Cognizant Technology Solutions India Pvt Ltd, Mumbai.	M. Pharm	3	2.50 Lakhs
3	Cognizant Technology Solutions India Pvt Ltd, Mumbai.	B. Pharm	2	
4	TATA Consultancy Services Limited, Mumbai	M. Pharm	1	2.66 Lakhs
5	Unijules Life Sciences Nagpur (Injectable Unit).	M. Pharm	3	1.44 Lakhs
6	Unijules Life Sciences, Nagpur.	M. Pharm	1	1.5 Lakhs
7	Korten Pharmaceuticals Limited, Palghar.	M. Pharm	2	2.6 Lakhs
8	Korten Pharmaceuticals Limited, Palghar.	B. Pharm	1	2.5 Lakhs
9	Asha Hospitals, Jabalpur, Nagpur	B. Pharm	1	1.5 Lakhs
10	Mankind Pharma Ltd (Unit-III), Paonta Sahib, Dist - Sirmour (H.P.).	B. Pharm	1	3.5 Lakhs
11	Indi Pharma Pvt Ltd, Mumbai	B. Pharm	1	1.5 Lakhs
12	Centaur Pharmaceuticals Pvt Ltd, Mumbai	B. Pharm	1	1.89 Lakhs
13	Viveka Hospitals, Nagpur	B. Pharm	1	1.92 Lakhs
14	Wadhvani College of Pharmacy, Yeotmal.	M. Pharm	1	2 Lakhs
15	Viatrix Laboratories LtdJinnaram (Mandal), Distr - Medak, Hyderabad.	M. Pharm	1	3.5 Lakhs
16	FDC Ltd, Mumbai	B. Pharm	1	1.8 Lakhs
17	Higher Studies	B. Pharm	37	

## • EVENT ORGANIZED •

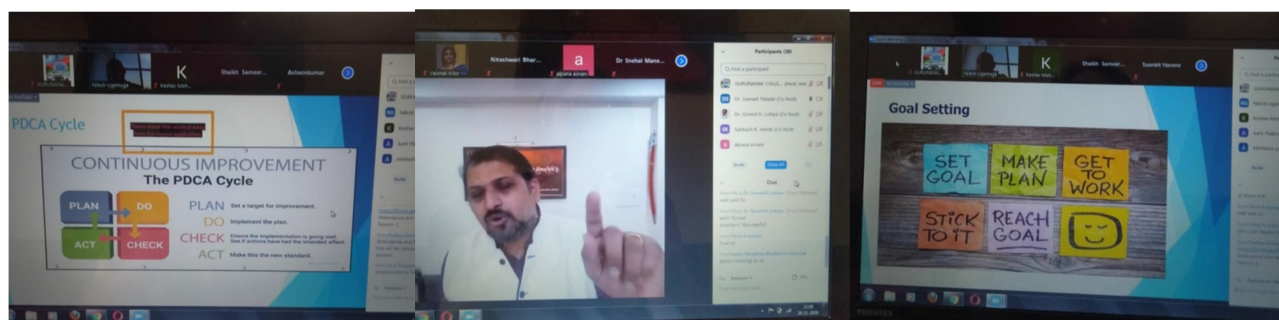
### Independence Day Celebration

Freedom is the most precious thing in every human life. No one has a right to take it away. To honor every patriot and freedom fighter, Gurunanak College of Pharmacy celebrated Independence Day on 15/8/2020. The tricolor Flag is hoisted Dr. A. M. Itadwar, Principal, followed by the national anthem. The program is conducted by using online platform due to restrictions imposed in view of Covid pandemic situation. The link was shared to all the faculty members and students to attend the program. The recording is available on youtube channel - <https://youtu.be/nrhl6BITbDE>

### AICTE Sponsored Short Term Training Program (STTP) On To Train the Trainers for Entrepreneurship Development In The Field Of Pharmaceutics

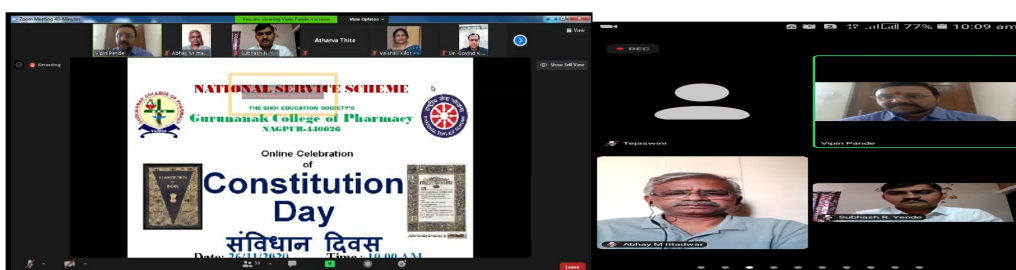
All India Council for Technical Education (AICTE) sponsored three online short-term training programs of one week each on theme 'To train the trainers for entrepreneurship development in the field of pharmaceutics'. This STTP was designed to train and develop professionals and trainer motivators among the teachers so that they can guide and motivate young individuals to take up entrepreneurship as a carrier. The program was organized in 3 phases as follows, Phase I from 23/11/2020 to 28/11/2020; Phase II from 07/12/2020 to 12/12/2020 and Phase III from 14/12/2020 to 19/12/2020. In this training program eminent personalities from industries and academia were the resource persons. Mr. Shyam Khante, Mr. H. R. Waghmare, Mr. Bhimrao Rangari, Ms. Swaima Ahmad, Mr. Ujwal Jajoo, Mr. Brij Sarda, Dr. Nilesh Ugemuge, Dr. Sumant Tekade, Mr. Swapnil Gawande, Mr. Raj Agrawal, Mr. Abhijeet Deshmukh, Mr. Sumeet Jaiswal, Mr. Dilip Lohiya addressed and motivated the budding entrepreneurs. In this, 70 participants completed the training in phase I, 44 in phase II and 49 in phase III. Dr. Mitali M. Bodhankar, chairperson, ED cell coordinated the event.

Details of events are available on YouTube channel- [Gurunanak College of Pharmacy Nagpur - YouTube](#)



### Constitution Day Celebration

On the occasion of Constitution Day, National Service Scheme (NSS), unit of Gurunanak College of Pharmacy, Nagpur conducted online 'Constitution Day' programme on 26/11/2020 at 10.00AM. The programme was held by Principal Dr. A.M. Itadwar Sir and coordinated by Mr. V. B. Pande, Dr. S. R. Yende. Teaching faculty, nonteaching members and students have participated in the programme



## Republic Day Celebration

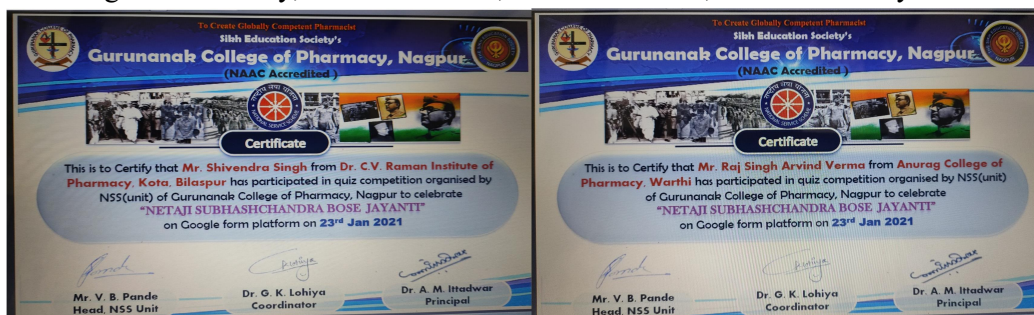
Republic day marks the celebration of the empowerment of the Indian citizen as a sovereign citizen to elect their own government. Gurunanak College of Pharmacy celebrated Republic day on 26/01/2021. The tricolor flag was hoisted by Dr. A. M. Ittadwar, Principal, Gurunanak College of Pharmacy, Nagpur, followed by National Anthem. The program is conducted by using online platform due to restrictions imposed in view of Covid pandemic situation.

The link is shared to attend the program.

<https://us04web.zoom.us/j/76720986809?pwd=MGxacUdSbTdhs0NCS2REY0FXWjM2UT09>

## Subhash Chandra Bose Birth Anniversary celebration

Gurunank College of Pharmacy, Nagpur organized Quiz Competition on 23/01/2021 on birth anniversary of Subhash Chandra Bose. Subhash Chandra Bose, popularly known as Netaji, was a great freedom fighter. He was a revolutionary leader who was known to have founded the Azad Hind Fauz. His role was instrumental in India's freedom. His selfless contribution to India's independence movement and organizing and leading the Indian national army was indispensable. Quiz Competition created awareness about the value & significance of freedom and role and contribution of freedom fighter in attaining freedom. The history of our great leader will inspire the students and all participants to perform their constitutional duties related to freedom. The Quiz Competition was organized by using online platform due to Covid Pandemic Situation. Total number of students participated in quiz are 112. Event was coordinated by faculty of Gurunank College of Pharmacy, Mr. V.B. Pande, Dr. S. R. Yende, Dr. G. K. Lohiya.



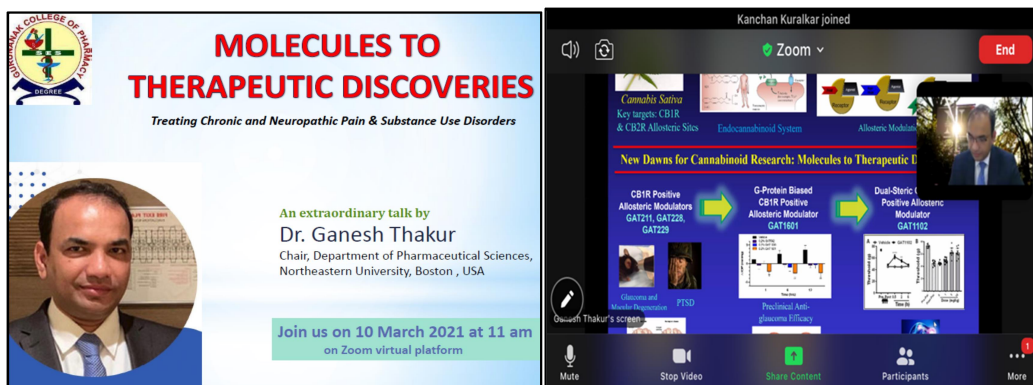
## National Webinar on Career Counselling on Pharmacovigilance, Medical Coding, Clinical Research and other fields after B. Pharm & M. Pharm

Gurunank College of Pharmacy, Nagpur in collaboration with RACE (Royal Academy of Career Excellence), Mumbai has Organised National Level webinar on Career Opportunities in Pharmacovigilance, Medical Coding, Clinical Research and other Pharmaceutical Fields after B. Pharm & M. Pharm on 06/03/2021. Mr. Varun Dhakne, Mr. Anup Wagh and Meher Tundulwar were the Resource Person for the webinar and around 155 participants from various colleges have attended the webinar with great enthusiasm. Dr. A.M Ittadwar and Dr. Sumit Arora were the Convener and Coordinator of the webinar.

## Webinar on “Molecules to Therapeutic Discoveries”

A webinar on the topic “Molecules to Therapeutic Discoveries” was organized on 10/03/2021. In this webinar an extraordinary talk was delivered by Dr. Ganesh Thakur, Chair, Department of Pharmaceutical Sciences, Northeastern University, Boston, USA. He discussed about therapeutic molecules for treating chronic and neuropathic pain & substance use disorders. His deep knowledge and experience was very much appreciated by the faculty and students. A very good interactive session then followed the session. This event was conducted through zoom online platform. Mrs. Shobha Ubgade and Mr. Keshav Moharir coordinated the event.





### Community Service in association with NGO “RISE”

Amidst the grim situation around due to pandemic, GNCP raised and extended its helping hand by distributing food packets, groceries, medicine, clothes and masks and sanitizers to the needy in Nagpur City. This event was materialized by joint efforts of the institution and NGO “Rise”. In this closely associated program conducted in the month of April 2021, few students and faculty members participated whole heartedly along with NGO volunteers.

### • RESEARCH & DEVELOPMENT ACTIVITIES •

#### Book/Chapter Publication

1. **Mrs Shobha Ubgade, Dr. Sumit Arora** and Dr. Shrikant Tilloo Book published entitled “Concise course in Pharmacognosy and Phytochemistry I” with S. Vikas and Company, (P V Books) having ISSN number 97815-43344-32-5 on 1<sup>st</sup> Jan 2021.
2. Vaibhav Shende, Debarshi Kar Mahapatra. A Closer View on Various Reported Therapeutically Active Formulations Containing Aloe vera (Aloe barbadensis), in book: Biologically Active Natural Products: Microbial Technologies and Phyto-Pharmaceuticals in Drug Development. Edited by Debarshi Kar Mahapatra, Swati Gokul Talele, Tatiana G. Volova, A. K. Haghi. 2020, Apple Academic Press. ISBN: 9781003057505 <https://doi.org/10.1201/9781003057505>
3. Munindra Ruwali, **Keshav Moharir**, Sanjiv Singh, Punita Aggarwal and Manash K. Paul. Updates in Pharmacogenetics of Non-Small Cell Lung Cancer, in book Pharmacogenetics, edited by Islam A. Khalil, 2021, IntechOpen, DOI: 10.5772/intechopen.97498.
4. Mojabir Hussien Ansari, Debarshi Kar Mahapatra. A Short Overview on Anti-Diabetic Natural Products: Reviewing the Herbotherapeutic Potentials, in Book Natural Products Pharmacology and Phytochemicals for Health Care Methods and Principles in Medicinal Chemistry Edited by Debarshi Kar Mahapatra, Cristóbal Noé Aguilar, A. K. Haghi. 2021, ISBN: 9781003057932, <https://doi.org/10.1201/9781003057932>
5. Sameer A. Hedao, Debarshi Kar Mahapatra. Exploring the Hidden Ethnobotanical Treasures for Treating or Managing Chronic Alcoholism. Book Natural Products Pharmacology and Phytochemicals for Health Care Methods and Principles in Medicinal Chemistry Edited by Debarshi Kar Mahapatra, Cristóbal Noé Aguilar, A. K. Haghi. 2021, <https://doi.org/10.1201/9781003057932>
6. Paras Kothari, Ankita Soni, Debarshi Kar Mahapatra. Deep Insights the Privileged Herbotherapeutic Inventory for Hemorrhoidal Treatment. Book: Natural Products Pharmacology and Phytochemicals for Health Care Methods and Principles in Medicinal Chemistry Edited by Debarshi Kar Mahapatra, Cristóbal Noé Aguilar, A. K. Haghi. 2021, <https://doi.org/10.1201/9781003057932>

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7. Ankita Soni, Paras Kothari, Debarshi Kar Mahapatra. Recent In-Depth Insights of Nature-Based Anti-Worm Therapeutic Medications: Emerging Herbal Anthelmintics. Book: Applied Pharmaceutical Practice and Nutraceuticals, Natural Product Development Edited by Debarshi Kar Mahapatra, Cristóbal Noé Aguilar, A. K. Haghi. 2021. <https://doi.org/10.1201/9781003054894>
  8. Taranpreet Kaur Bamrah, Mojabir Hussien Ansari, Debarshi Kar Mahapatra. Perspectives of Nature-Oriented Pharmacotherapeutics for the Effectual Management of Hemorrhoidal Symptoms. Book: Applied Pharmaceutical Practice and Nutraceuticals, Natural Product Development Edited by Debarshi Kar Mahapatra, Cristóbal Noé Aguilar, A. K. Haghi. 2021. <https://doi.org/10.1201/9781003054894>
  9. Mojabir Hussien Ansari, Vaibhav Shende, Debarshi Kar Mahapatra. Emerging Highlights on Natural Prodrug Molecules with Multifarious Therapeutic Perspectives. Book: Applied Pharmaceutical Practice and Nutraceuticals, Natural Product Development Edited by Debarshi Kar Mahapatra, Cristóbal Noé Aguilar, A. K. Haghi. 2021. <https://doi.org/10.1201/9781003054894>
  10. Vaibhav Shende, Sameer A. Hedao, Mojabir Hussien Ansari, Pooja Bhomle, Debarshi Kar Mahapatra. Re-Highlighting the Potential Natural Resources for Treating or Managing the Ailments of Gastrointestinal Tract Origin. Book: Applied Pharmaceutical Practice and Nutraceuticals, Natural Product Development Edited by Debarshi Kar Mahapatra, Cristóbal Noé Aguilar, A. K. Haghi. 2021. <https://doi.org/10.1201/9781003054894>
  11. Shruti Dongare, Vaibhav Shende, Debarshi Kar Mahapatra. Reviewing the Available Herbal Resources for Treating Psoriasis: Safe and Alternative Way for Therapeutics. Book: Applied Pharmaceutical Practice and Nutraceuticals, Natural Product Development Edited by Debarshi Kar Mahapatra, Cristóbal Noé Aguilar, A. K. Haghi. 2021. <https://doi.org/10.1201/9781003054894>
  12. Vaibhav Shende, Sameer Hedao, Debarshi Kar Mahapatra. Insights into the Recent Scientific Evidences of Natural Therapeutic Treasures as Diuretic Agents. Book: Applied Pharmaceutical Practice and Nutraceuticals, Natural Product Development Edited by Debarshi Kar Mahapatra, Cristóbal Noé Aguilar, A. K. Haghi. 2021. <https://doi.org/10.1201/9781003054894>

### Research Publications

1. **Sumit K. Arora, Govind K. Lohiya, Keshav S. Moharir, Subhash R. Yende** and Sapan K. Shah, "Identification of Potential Flavonoid Inhibitors of the SARS-CoV-2 Main Protease 6YNQ: A Molecular Docking Study" Digital Chinese Medicine (Elsevier).2020, 3(4), 239-248.
2. **Pradnya Gondane, Nidhi P. Sapkal**, Nidhi Jaiswal. Synthesis and Evaluation of Taste-Masked Ionic Liquid Salts of Loratadine. International Journal of Pharmacy and Pharmaceutical Sciences. 2020, 12(11), 71-79.
3. **Sumit K Arora**, Maviya Hussain, **Subhash R Yende, Vipinchandra B Pande, Keshav S Moharir, Abhay M Ittadwar**, *Bauhinia purpurea*: An Updated Pharmacological Profile. Journal of Ayurvedic and herbal Medicine. 2020, 6(2), 81-85.
4. **Sumit K. Arora**, Prakash R. Itankar and **Subhash R. Yende**. Histological study, phytochemical screening and TLC studies of *Sesbania grandiflora*. International Research Journal of Biological Sciences. 2020, 9(3), 43-47.
5. **Nidhi Sapkal**, Gaurav Chhaya, Milan Satya, Dhara Shah. Clinical efficacy of different dosage forms containing vitamin D: design and study outcomes of a randomized, comparative clinical trial. International Journal of Clinical Trials. 2020, 7(3)
6. Priyanka Warambhe, **Sheelpriya Walde, Suhas Padmane**. Overview on over the counter drugs: Comparison between generic and branded drugs in India. European Journal of Pharmaceutical and Medical Research. 2020, 7(10), 230-235.



7. Rashmi H. Nasare, **Sheelpriya R. Walde**. A Study of Quality Control Test & Evaluation Parameter for Ayurvedic Formulation in Liquid, Semi-Solid & Solid Dosage Forms. International Journal of Innovative Science and Research Technology. 2020, 5(1), 20-22
8. **Sumit K. Arora**, Prakash R. Itankar “Polyphenol rich extract from *Sesbania grandiflora* (L.) Pers. bark reduces rheumatism by mediating the expression of NF kappa B in rats”. Indian Journal of Experimental Biology. 2021, 59, 44-53.
9. **Subhash R. Yende, Sumit K. Arora & Abhay M. Itadwar**. Antioxidant and Cognitive Enhancing Activities of *Sargassum ilicifolium* and *Padina tetrastrum* in Scopolamine Treated Mice. Journal of Biologically Active Products from Nature (Taylor and Francis), Vol. 2021, 11(1), 11-21.
10. Sapan Shah, Dinesh Chaple, **Sumit Arora, Subhash Yende, Keshav Moharir and Govind Lohiya**, “Exploring the active constituents of *Oroxylum indicum* in intervention of novel coronavirus (COVID-19) based on molecular docking method”, Network Modeling Analysis in Health Informatics and Bioinformatics (Springer) 2021, 10(1), 1-12.
11. **Sumit K. Arora**, Prashant R. Verma, Prakash R. Itankar, Satyendra K. Prasad, Kartik T. Nakhate, “Evaluation of pancreatic regeneration activity of *Tephrosia purpurea* leaves in rats with streptozotocin-induced diabetes” Journal of Traditional and Complementary Medicine, Vol. 2021, 11(5), 435-445.
12. D.A. Mundhey, A.S. Daud, **N.P. Sapkal**, Fabrication of microemulsion loaded sublingual film for rapid absorption of fentanyl citrate in transient breakthrough pain, International Journal of Applied Pharmaceutics. 2021, 13(3), 233–238.
13. Sapan Shah, Dinesh Chaple, **Sumit Arora, Subhash Yende**, Chetan Mehta & Usha Nayak, “Prospecting for *Cressacretica* to treat COVID-19 via in silico molecular docking models of the SARS-CoV-2”, Journal of Biomolecular Structure and Dynamics. 2021, 1-9
14. **Vipinchandra B. Pande**, Saket Singh Chandel and Vishal Soni. Synergistic and Safe antidiabetic effect of Polyherbal Formulation: Comprehensive Overview; International Journal of life science and Pharma Research. 2021, 11(2), 51-57.
15. Kajal Kesare, Urja Tawri, Manali Barai, Gaurav Parmal, Kaustubh Joshi, **Mitali Bodhankar**,” Use of rice water (*Oryza sativa*) & Hibiscus (*Hibiscus Rosa sinensis*) for hair nutrition and hair growth”, Journal of Emerging Technologies and Innovative Research (JETIR), 2021, 6 (6), 181-187.
16. Kapil Dholwani, Lakshya Udasi, Mahesh Pimpalkar, Nikita Kurhade, Zahara Khan Sohel Khan, **Mitali Bodhankar** “Uses of onion (*Allium cepa* L.) & Aloe vera (*Aloe barbadensis* Miller) post hair dye treatment, Journal of Emerging Technologies and Innovative Research JETIR. 2021, 8 (6), 275-288.
17. **Gulshan Gurunani**, Kapil Agrawal, **Sheelpriya Walde and Abhay Itadwar**. Synthesis and investigation of antibacterial, antimycobacterial and cytotoxicity study of sparfloxacin derivatives. International journal of Pharmaceutical Research, 2021, 13(2), 3944-3951.
18. Rashmi Nasare, **Sheelpriya Walde, Suhas Padmane**. A Review of Murrayakoenigii (Curry Tree) which act as a Multiskilled Medicinal Plant with Various Medicinal Properties. Research & Reviews: Journal of Medical Science and Technology. 2021, 10(1).
19. Chandrashekhar Badwaik, **Suhas Padmane, Sheelpriya Walde, Sharad Manapure**. Natural Products in Anti-cancer therapy, International Journal of Advances in Engineering and Management (IJAEM), 2021, 3(4), 605-607
20. Adiba Khan, Sudipa Bose, Urja Chopkar, Pritam Wath, Ahtesham Khan, **Mitali Bodhankar** “Cellulose microcrystalline beads as an Exfoliating agent”, International Journal of Pharmaceutical research and Applications (IJPRA), 2021, 6(3), 1228-1235.
21. Dipti Masram, Pratiksha Bramhe, Shivum Bhelau, Roshni Bhalekar, **Bindu Jacob, Mitali Bodhankar**, “E marketing in Pharmaceutical sector” International Journal of Pharmaceutical Research and Applications (IJPRA), 2021, 6(3), 1203-1214.

22. Kanchan Kuralkar, Divya Atram, Harshali Chonde, Kalyani Thakre, Pratiksha Deulkar, **Mitali Bodhankar**, "Use of D- limonene as an alternative to Acetone in Nail polish remover", International Journal of Pharmaceutical Research and Applications (IJPA), 2021, 6(3), 1096-1108.
23. Renuka Gaikwad, Prajakta Harode, Pratiksha Bhajikhaye, Yogita Wankhede, Yash Dube, **Mitali Bodhankar**, "SLS & paraben free herbal hair cleansers", World Journal of Pharmaceutical Research (WJPR), 2021, 10 (9).
24. Sumbul Khan, Sans Parveen Moin Shaikh, ShrutikaBawankar, Gaurav Jaiswal, Gaurav Sharma and **Mitali Bodhankar**, "Dried serum powder and sheet mask for anti-aging purposes", GSC Biological & Pharmaceutical Sciences, 2021, 15(03), 218-224.
25. Pallavi K. Urade, **Mitali M. Bodhankar**, "Solid Lipid Nanoparticle: A Novel Lipid based system of Coenzyme Q10 for skin Enrichment", Journal of Pharmaceutical Advanced Research, 2021, 4(3), 1162-1172.

### Presentations

1. **V. B. Pande** Presented E-poster on the topic entitled STZ- As Induction Model for Diabetes Mellitus in E-International conference on DNA nanostructure based Vectors for Drug Delivery: Opportunities and Challenges, on 19th September 2020 sponsored by AICTE, new Delhi, Organised by Adina Institute of Pharmaceutical Sciences, Sagar (M.P.).
2. **V. B. Pande** presented Poster on the topic entitled Antidiabetic polyherbal ingredient Azadirachta indica: A Short Review at Liyang 2020, International Conference on Unlocking challenges, Innovations and Global opportunities in Research Amidst COVID- 19 Pandemics Organised by Shri Rawatpura Sarkar University Raipur Chhatisgarh, India.

### Guest Lecture Delivered/ Resource Person

1. **Dr. N. P. Sapkal** delivered a guest lecture at CME program organized by ABC International and R-Biomed for ENT specilaists in Myanmar on 15 August, 2020.
2. **Dr. N. P. Sapkal** delivered a guest lecture on the topic, "Pharmaceutical sciences and career options", at Department of Biotechnology, Kamala Nehru Mahavidyalaya, Nagpur on 7 November, 2020.
3. **Dr. S. R. Yende** delivered lecture as a resource person on topic Neuropharmacological potential of Sargassum ilicifolium, a brown algae, in AARI Bioscience World Wide Webinar Series Session- XXI, organized by Annakkali Amma Research Institute (AMMA) Chennai on 15 August 2020.



### The Sikh Education Society's

*Vision: To create globally competent pharmacists*

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