

# **RCPIPER E-BULLETIN**

**VOLUME 6; ISSUE 2; JULY –DECEMBER 2019**

## **Vision**

To excel in under graduate and post graduate pharmaceutical education and research

## **Mission**

To bestow high quality pharmacy education and training to groom student to be a responsible pharmacist professional and citizen to contribute to pharmacy profession and at large to society



**Dr. Sanjay J. Surana**  
**Principal, RCPIPER, Shirpur**

I whole heartedly welcome the current issue for “July-December 2019”. I take this opportunity to announce the names of new editorial team members; Dr Priti Jain and Dr Abhinav Mehta for the upcoming issues.

It gives me an immense pleasure to find a new editorial committee of the RCPIPER e-bulletin is publishing its current issue. This e—bulletin is compilation of news and achievements at RCPIPER, Shirpur. The institute has made continuous efforts to excel in the field of pharmacy. Our efforts to achieve excellence have been endorsed with 42nd Rank by NiRF, MHRD, New Delhi.

The institute has a blend of experienced and young faculty who have contributed lot in grooming the students. I congratulate faculty and students for the achievements. Also, extend my greetings and compliments to the editorial team. I wish the students, faculty and non-teaching staff of RCPIPER a Happy and Wonderful Academic Year.



**Dr. Atul A. Shirkhedkar**  
**Vice-Principal & Editor-in-Chief**  
**RCPIPER, Shirpur**

Welcome to the latest edition of RCPIPER ebulletin.

We are gratified that the previous editions have been published and made available early on line for our readers. I am also happy to mention that KBC NMU, Jalgaon has accredited institute with Grade A in 2019. I wish to express my thanks to all those who have been providing us with

continuous and valuable feedback and aspect that may emerge as a promising component of this e-Bulletin.

## Editorial Team



**Dr. Priti Jain**

**Associate Professor and Editorial Head  
e-Bulletin, RCPIPER**

It gives me immense pleasure to serve my role as Editorial Head for the e-bulletin, RCPIPER. I take over this role from Dr Pradyuman Ige and begin mine from July 2019. I will try my best to continue and enhance the steady and extensive publication of the e Bulletin with team member Dr Abhinav Mehta. Efforts to

make the *Bulletin* even more visible and useful are in progress. Currently, few copies are printed and distributed among RCPIPER family and web access to the electronic version of the *Bulletin* is at a similar range. For modern readers, we are also considering making the *Bulletin* web pages more compatible with mobile phones and available on Blog.



**Dr Abhinav Mehta**

**Associate Professor and Co-editor  
e-Bulletin, RCPIPER**

## **SPORTS: BADMINTON**

### **SMASH IT AND WIN IT- RCPIPER make their way towards another win**

Dhule: Badminton matches held on 3<sup>rd</sup> October brought glorious news for RCPIPER. As luck would have it, out of the 10 participated colleges under KBC-NMU, students of our college gave a tough fight and secured 3<sup>rd</sup> rank. Matches were held and organized by Nikam college of Pharmacy, Dhule and the Principal of Nikam college was the chief guest. Matches were held in different formats for girls and boys respectively and knock out rounds decided the standing top 3 colleges. Players of H R Mahila Vidyalaya, Shirpur gave tough competition to SPDM college, Dhule and secured 1<sup>st</sup> place among the 10 colleges in all formats. SPDM, Dhule stood 2<sup>nd</sup>. RCPIPER and SSVPS, Dhule competed for 3<sup>rd</sup> place RCPIPER won the 3<sup>rd</sup> place for boys (Bhavik Jain, Abhay Kotecha, Swarj Lohar, Jagdish) as well as girls (Anushka Bakore, Vaishnavi Chaudhari, Rutuja Deshmukh, Aanchal Yeola) in all formats.

Boys of our college made us proud by getting selected to play for zonals, which will be held at Jalgaon. Winners were felicitated by sports director of each college. This was not possible without the hardwork of our students and the

support of our sports director, Mr Amol Ahire and our Respected Principal, Dr. S.J. Surana.

## **EYE TO GLORY-VOLLEYBALL**

Dhule: It was an air affair at the Garud Maidan, Dhule on 10<sup>th</sup> October. Volleyball matches held at Shrimati Narmadabai Nago Chaudhari Kala Mahavidyalay where 12 teams under KBC-NMU participated. Mr. N T Thorat and Dr. Anil Mahadu Chaudhari were the chief guests of the event, out of the 12 teams Ajmera college of pharmacy won the first prize. Boys team from PCPIPER secured second place where as girls team ended up at third place and brought glory to our college.

BOYS TEAM-Sagar wagh, Darpan Shah, Bhavik Jain, Abhishek Vajpyee, Dhananjay patil, Ghanshyam Patil, Akshay suryavanshi, Bhupesh patil, Kalpesh patil and Rohit mali.

GIRLS TEAM-Darshani patil, Payal Patil, Ankita patil, Sayali jadhav, Sayali chaudhari, Pooja shinde, Prajakta mahire, Shraddha Afre, Sameeksha khairnar and Divya sutar. We would like to thank our sports director Mr. Amol Ahire sir and our respected Principal Dr. S.J Surana for all the support and love.

Two days National Conference on “Need Based Research and development in Pharmaceutical Field for Serving Society” sponsored by AICTE, New Delhi, organized by R .C Patel Institute of Pharmaceutical Education and Research (RCPIPER), Shirpur on 24<sup>th</sup> - 25<sup>th</sup> November 2019

R.C. Patel Institute of Pharmaceutical College and Research, Shirpur organized Two days National Conference on “**Need Based Research and development in Pharmaceutical field for Serving Society**” on 24<sup>th</sup> -25<sup>th</sup> November 2019. The Seminar was sponsored AICTE, New Delhi. Deliberation witnessed participation of 300 delegates comprising of research scholars, post graduate students and faculty members from various Pharmacy institutes. Many eminent scientists from across the country attended the conference and delivered the keynote and plenary lectures.

The day first (24th November) began with the inaugural ceremony commenced with lighting of lamp. **Chief Guest Prof. Krishna Iyer, Head , Bombay College of Pharmacy and Prof Atmaram Pawar, Vice Principal, Poona college of Pharmacy,**

**Poona College of Pharmacy, Prof S. J. Surana (Principal, RCPIPER, Shirpur), Prof A. A. Shirkhedkar (Vice-Principal RCPIPER, Shirpur & convener ), Prof.Nitin Haswani (Principal, Diploma, R. C Patel Institute of Pharmaceutical Education and Research, Shirpur),** were present on the dais for the inaugural session. The blessings from God were sought with the recitation of Saraswati vandana.

**Principal Prof. S. J. Surana**, in his introductory remarks briefed about the logarithmic development of the institutes. He has also mentioned about the various sophisticated research facilities available with the institutes quality research work. **Prof A A Shirkhedkar**, briefed the comments related to the topic of the conference and the importance of pharmacist to serve the society. He also concluded the inaugural programme release of souvenir and with vote of thanks.

The inaugural session was immediately followed by Plenary lectures. First lecture was delivered by **Dr Krishna Iyer**. He enlightened the participants with a talk on Genetic polymorphism among drug metabolizing enzymes- studies and clinical consequences. Second lecture was given by **Dr Atmaram Pawar** on the topic; Generic medicines: Science, regulations and societal expectations. This was followed by lecture by **Dr Premlatha Ambre** who talked about “novel

smart composite materials for industrial waste water treatment and pharmaceutical applications". The last lecture for pre lunch session was given by **Mr Pratik Sinalkar** on "HPTLC techniques and standardization of herbal drugs". Post lunch session also witnessed four plenary lectures. **Dr Prashant Kharkar** delivered a talk on "Being innovative versus being imaginative". His talk was followed by lecture by Dr Kirti Laddha, who talked about research, development and commercialization of medicinal natural products. The tea break then was further followed by 2 more lectures by **Dr Rajesh Ugale** (Introspection of medical challenges and their remedies) and **Dr Santosh Bothe** (Objective monitoring of bio-signals for disease sensing and surveillance using AI). Pre lunch session were chaired by Dr C R Patil and Dr S D Patil , while post lunch sessions were chaired by Dr Deepti Jain and Dr Surendra Jain.

Meanwhile; poster presentation was also held; 50 shortlisted posters were displayed during scientific session and best three posters have been selected and given the prizes. The heavy dose of information gathered from 8 lectures was mood lightened by a recreational program followed by the dinner; ending the first day of conference.

The second day (25<sup>th</sup> November 2019) began with plenary sessions and in all 6 lectures were conducted on second day. The day was embraced with the talk by **Dr Yogeshwar Bachhav** who spoke on formulation of water insoluble drugs for IV injections. **Dr Prashant Murumkar** then spoke on design of CB1 receptor antagonist. **Dr Milind Wagh** was very apt at giving a lecture on the topic which mimicked the conference title i.e. Need Based Research and development in Pharmaceutical field for Serving Society. **Dr Shrinivas Savale** then talked about translating innovative ideas to enterprise in pharmaceutical and Research centre. The last two lectures were given by **Mr Raosaheb Ghegade** (misappropriation of traditional medicine knowledge in pharmaceutical inventions) and **Dr Pradeep Mehta** ( Claviceps; A pharmaceutically exploited fungus). These sessions were chaired by Dr H S Mahajan, Dr S S Chalikwar and Dr Nitin Haswani.

The two days conference was enriched with plenary lectures of Chief Guest and other distinguished speakers.

All the plenary lectures were interesting and interactive; they had the flavour of medicinal chemistry, pharmaceuticals, pharmacognosy and pharmacy in general.

The two days seminar ended with the valedictory ceremony. Dr. Shirkhedkar concluded the ceremony with his kind words. All the speakers were felicitated with a memento and certificate. The prize distribution was held for the poster presentation winners. The programme was concluded with vote of thanks .

The inaugural session and various events in the conference were anchored by **Dr. P.H. Agarkar, Dr. Y.O. Agrawal, Dr. Priti Jain, Ms Shwetal Pawar, Dr Kalpesh Patil, Dr Suchita Mahalle, Ms Snehal Bhavsar, Ms Himakshi , Ms Nelson.**

The institute is thankful to AICTE, New Delhi for sponsoring the event and thank all the guests, speakers, participants and faculty members whose contribution made it a great success. The deliberations in this conference were fruitful in disseminating in-depth research on the thrust areas like drug discovery, medicinal chemistry research, therapeutics and novel developmental approaches in all areas of Pharmacy.

On a whole the hard work of organizing committee members, student participants and delegates made the event a huge success.



One-Week Short Term Training Program (STTP) on  
“Exploring Herbal Domain Through Newer  
Techniques: Approach & Application” sponsored by  
All India Council for Technical Education (AICTE), New  
Delhi, organized by R .C Patel Institute of  
Pharmaceutical Education and Research (RCPIPER),  
Shirpur from 2<sup>nd</sup> -7<sup>th</sup> Nov 2019

R.C. Patel Institute of Pharmaceutical education and Research, Shirpur organized One week short term training program (STTP) on “Exploring Herbal Domain Through Newer Techniques: Approach & Application” from 2<sup>nd</sup> -7<sup>th</sup> Nov 2019.

The One-week short term training program (STTP) was sponsored by All India Council for Technical Education(AICTE), New Delhi. Deliberation witnessed participation of around 50 faculty members from various Pharmacy institutes of Maharashtra. Many eminent scientists from across the country attended the conference and delivered the keynote and plenary lectures.

The day first (2<sup>nd</sup> Nov) began with the inauguration ceremony commenced with lighting of lamp. Chief Guest Prof. R. S. Gaud, Director at School of pharmacy, NMIMS, Shirpur, Dhule ; Guest of honour as well as keynote speaker Prof. D.N.Malkhede; Advisor- I at AICTE, New Delhi; Prof S. J. Surana (Principal, RCPIPER, Shirpur); Prof A. A. Shirkhedkar (Vice-Principal RCPIPER, Shirpur ); Prof. S B Bari (Principal, H.R. Patel Institute of Pharmaceutical Education and Research, Shirpur); Dr. N G Haswani (Principal R C Patel Institute of Pharmacy, Shirpur); Dr. A U Tatiya, program coordinator; Dr. M G Kalaskar, program co-coordinator; Dr. Mamta B Shah, Professor & head, Dept. of Pharmacognosy, LMCP, Ahemadabad & Dr. Poonam Agrawal, Director at Natucare India, Thane, Mumbai were present on the dias for the inaugural session. The blessings from God were sought with the recitation of Saraswati vandana.

Principal Prof. S. J. Surana, in his introductory remarks briefed about the logarithmic development of the institute. He has also mentioned about the various sophisticated research facilities available with the institutes. Dr. A. U. Tatiya, coordinator of the STTP gave details about the importance of Herbal medicines in research and therapeutics and also about the appropriate timing of organizing this event.

Prof. R.S. Gaud in his presidential address talked about the need of standardizing herbal drugs, increasing demand for herbal medicines abroad etc. The inaugural programme was concluded with vote of thanks proposed by Dr. M. G. Kalaskar, co-coordinator of the program.

The inaugural session was immediately followed by Keynote address delivered by Prof. Mamta B Shah. She enlightened the participants with a talk on the different approaches for targeting isolation of bioactives from natural sources. Her talk helped to understand the novel approaches for targeting isolation of bioactives. The One week short term training program (STTP) was enriched with plenary lectures of Chief Guest and other distinguished speakers.

The second plenary session was embraced with the talk by Dr. Poonam Agrawal, Director, Natucare India, Thane, Mumbai who delivered a lecture on "Essential oil- Applications in



nutraceuticals & cosmetics". She has quoted several simple case studies of isolation of phytochemicals which could be performed in the laboratory in minimum time using minimum quantity of solvents. She has also discussed about the several applications of essential oil in cosmetic industry.

In afternoon session Dr. M G Kalaskar sir took hands on training related to analytical & semi preparative HPLC.

The second day (3<sup>rd</sup> Nov) began with formal felicitation of Dr. Kirti S Laddha, Professor at DPST, ICT, Mumbai. Dr. Tatiya welcomed professor Laddha to the STTP. This day was fully based on practical knowledge of extraction and isolation. Professor laddha sir shown extraction of caffeine, embelin, quinine etc related some experiments to participants. He also shown how to do column chromatography easily in laboratory. He gave message to participants that, remove your inner phobia & contribute to the science of medicinal plants.

On third day (4<sup>th</sup> Nov) of STTP, Dr. C R Patil, Professor at RCPIPER, Shirpur conducted morning session on current trends in phytopharmacology. It was then followed by plenary lecture of Dr. A.A. Shirkhedkar, Vice Principal, RCPIPER, Shirpur. They talked on different aspects of HPTLC.

On fourth day (5<sup>th</sup> Nov), field visit & in- situ identification of medicinal plants of toranmal flora was done. Dr. Sunil R Kshirsagar interacted with participants & explained them how to identify medicinal plants. Participants also interacted with tribal healers of toranmal region.

On fifth day (6<sup>th</sup> Nov), Dr. V. Shrivastava, Scientist, Bioprospective group, Agarakar Research Institute, Pune spoke on natural product chemistry: an important approach with inimitable quality of natural product analogs in medicinal chemistry. After this session Dr. Ajay Namdeo sir, Professor & Head department of pharmacognosy, Poona college of pharmacy, pune conducted session on NMR based metabolomics as a quality control tool for herbal products.

On last day (7<sup>th</sup> Nov), Dr. Harun patel, Associate professor, department of pharmaceutical chemistry, RCPIPER, Shirpur explained in silico approaches in the discovery of the herbal drugs & took hands on training of CADD.

In afternoon session of last day examination was conducted based on sessions of program.

The one-week short term training program (STTP) ended with the valedictory ceremony. Dr.A.U.Tatiya concluded the ceremony with his kind words. All the speakers were felicitated with a memento and certificate. The prize

distribution was held for the examination winners. First prize was awarded to Dr. R E Mutha, Assistant professor, HRPIPER, Shirpur, second winner was Dr. Payal Dande, Assistant professor, NMIMS, Shirpur. The programme was concluded with vote of thanks followed by Hi- Tea. The inaugural session and various events in the conference were anchored by Mrs. S.K. Bhavsar, Mrs. D.D.Malkhede. The institute is thankful to AICTE, New Delhi for sponsoring the event and thank all the guests, speakers, participants and faculty members whose contribution made it a great success. The deliberations in this conference were fruitful in disseminating in-depth research on the thrust areas like Extraction, isolation, medicinal plants, drug discovery, herbal medicines, novel developmental approaches in herbal NDDS etc.

On a whole the hard work of organizing committee members Dr. A.U.Tatiya, Dr. M.G.Kalaskar, Dr. M.V.Girase, Mr. Sumit deore, Mr. Ujwal deore, Ms. Snehal bhavsar, Mr. Vilas Jagatap, Miss. Dipashri malkhede, Dr. S. D. Firke, Dr. P.P. Nerkar, Mr. J. G. Jadhav , students, faculty participants made the event a success.



### Five days workshop on Drug Discovery, Designing and Development in association with Makeintern and ECell IIT Kharagpur

R.C. Patel Institute of Pharmaceutical College and Research, Shirpur organized five days Workshop on “**Drug Discovery, Designing and Development**” from 17<sup>th</sup> August 2019 - 21<sup>st</sup> August 2019. The workshop was conducted in collaboration with Makeintern and E-cell of IIT Kharagpur. This workshop was a great initiative of MAkeintern and E-cell to train the participants about bioinformatics. The participants were given hands on training on various computational softwares to

molecular dynamic simulations. The deliberation witnessed 30 participants comprising the students and faculties from all over the nation.

The institute is thankful to Organizing committee members Dr Harun M Patel, Dr Deepak Lokwani and Dr. C R Patil for their endeavours to host the event; Dr S J Surana and Dr Atul Shirkhedkar for their constant support to organize this event. The Institute is also grateful to Mr Jitesh Doshi, the mentor for the workshop and Priyanks Malhotra for executing the programme and

At the end of the programme five winners were announced (Dr. Shrikant Joshi, Dr. Mahesh Borkar, Mr. Sandesh Lodha, Mr. Prashant Chaudhari, Ms. Kshipra Karnik) who will be participating in next round of competition to be held at IIT-Kharagpur.



### **B. Pharm Toppers – 2019**

<b><u>S. No.</u></b>	<b><u>Name</u></b>	<b><u>Year</u></b>	<b><u>CGPA</u></b>
1.	Chaudhari Sneha Bhika (Gold Medalist and University Topper)	2019	8.35
2.	Raotole Hitesh S. (Gold Medalist and University Topper - Male)	2019	8.23

### **M. Pharm Toppers – 2019**

<b><u>S. No.</u></b>	<b><u>Department</u></b>	<b><u>Name</u></b>	<b><u>Year</u></b>	<b><u>Score</u></b>
1.	Pharmaceutical Chemistry	Faizen Ahmed Md. Israeel (University 2 <sup>nd</sup> Topper)	2019	87.4%
2.	Pharmacognosy	Jain Prasad D. (Gold Medalist & University Topper)	2019	91.48%
3.	Pharmacology	Bagul Neha A. (University Topper)	2019	83.58%
4.	Pharmaceutics	Baviskar	2019	87.02%

		Premkumar S. (University Topper)		
5.	Quality Assurance	Zahid Anwar A Sh. Ahmed (Gold medalist topper & University Topper)	2019	87.4%
6.	Clinical Pharmacy	Nikumbh Meghana A. (University Topper)	2019	75.26%

**Research grants received in the year 2019-20**

Dr Harun Patel received research grant of Rs 40 LAKhs from ICMR, NEW Delhi for the project “Design and Synthesis of Mutant T790M/C797S EGFR- Tyrosine Kinase Inhibitors as Potential Anti-CANCER Agents”