

*Bombay College of Pharmacy was ranked 6<sup>th</sup> amongst all the pharmacy colleges in India by the National Institute Ranking Framework, All India Council for Technical Education.*

## *International Certificate Course on Pharmacokinetics and Pharmacodynamics*

An International Certificate Course on Pharmacokinetics and Pharmacodynamics (PK-PD) was conducted at Bombay College of Pharmacy (BCP) on 26<sup>th</sup> and 27<sup>th</sup> April, 2016. It was organized by the South Asian Chapter of the American College of Pharmacology (SAC-ACCP) in collaboration with the Indian Council of Medical Research (ICMR), National Institute of Research on Reproductive Health (NIRRH) and Bombay College of Pharmacy. The event was inaugurated by eminent dignitaries including Dr Nilima Kshirsagar, National Chair Clinical Pharmacology, ICMR and President of



SAC-ACCP, Dr N. Sivaprasad, President, IPA-MSB, Dr. M.N. Saraf, (Principal, BCP), Chairperson of the event, Dr Mangal Nagarsenkar (BCP), the Course Convener and Dr. Krishnapriya Moharaj, member of organising committee. Eminent international and national speakers delivered talks on various concepts of PK and PD and conducted workshops on non-compartmental PK analysis, PK/PD simulations and target mediated drug disposition. The hands on workshop was greatly beneficial to the delegates who were mainly doctors from the medical community, pharmacy college students and teachers and industry professionals.

## *Placement*

Graduate and post graduate students of BCP were placed in Macleods Pharmaceuticals, Novartis Healthcare, Rubicon, Cognizant, Sun pharma, Tata Consultancy Services (TCS), Astrazeneca, Dr Reddy's, Quintiles, MSD Merck, Alkem Laboratories, Encube Ethicals Pvt Ltd, Unosource Pharma, Johnson & Johnson and Indegene Lifesystems Pvt Ltd.



### **Vision:**

To be a leader in Pharmacy Education, Pharmacy Training and Research in Pharmaceutical Sciences

### **Mission:**

1. To educate and train students in the knowledge and practice of pharmaceutical sciences
2. To contribute to improvement of health of the society through education programs
3. To contribute to improvement of health of the society through research programs

### **IN THIS ISSUE...**

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## *Convocation ceremony*

Convocation ceremony at Bombay College of Pharmacy was organized on February 8th, 2016. The chief guest for the ceremony was Dr. Nilima Kshirsagar, National Chair Clinical Pharmacology, ICMR. The degree certificates were received by B. Pharm. Sc. students who graduated in 2015.



## *1991 Batch Reunion*

The 1991 batch of Bombay College of Pharmacy (BCP) came together for their Silver jubilee reunion at BCP on 23rd December 2016. Many of them had flown down from different parts of the world especially for this event. Acknowledging the role played by the faculty and non-teaching staff of BCP in shaping their careers, the batch members felicitated them by presenting specially designed mementos. The batchmates also had an interactive session with the senior undergraduate students of BCP, advising and guiding them about their future career prospects. To commemorate this occasion, 1991 batch members handed over a cheque of Rs. 2.5 lakhs to Principal, Dr. M. N. Saraf, towards instituting an endowment fund for supporting scholarships to the tune of Rs. 10,000 each to one meritorious student from T. Y. B. Pharm. & Final Y. B. Pharm., every year. The scholarship amount would be disbursed from the interest accrued from the endowment corpus.





## Kudos to BCP



**Mr. Nitin Maniar was nominated as Member of the Governing Board of Maharashtra State Board of Technical Education, the body that regulates state diploma technical education.**

1. Dr. Alka Mukne has been appointed as Member of the committee for finalization of syllabus for B. Pharm. Course constituted by Pharmacy Council of India (PCI).
2. Dr. Alka Mukne was the Co-Convener, Local Organising Committee and Scientific Services Committee at 68th IPC, Vizag on 16th – 18th December 2016.
3. Dr. Mala Menon received the MAHA-APTICON Best Pharmaceutical Scientist Award 2016 held at Nagpur.
4. Dr. M. N. Saraf was elected as an expert of Maharashtra Public Service Commission selection committee in July 2016.
5. Dr. M. N. Saraf served as chairman of NBA expert committee for evaluation of B.Pharm program at College of Pharmacy, Guwahati in August 2016.
6. Dr. M. N. Saraf was elected as Vice-Chancellor's nominee on CAS committee, Nagpur University in September 2016.
7. Dr. M. N. Saraf served as Vice-Chancellor's nominee on the governing bodies of

Bhanuben Nanavati College of Pharmacy, Gahlot Institute of Pharmacy and H. K. College of Pharmacy.

8. Dr. M. N. Saraf served a member of research recognition committee, Adhoc Board of Pharmacy, University of Mumbai in November 2016.

9. Dr. Krishna Iyer is the Treasurer Elect, Society for Study of Xenobiotics, (Indian Chapter of ISSX, USA), since April 2016.

10. Dr. Anuradha Majumdar was a jury member for the 'Science and Innovation' category of Mumbai Press Club Red Ink Awards for Excellence in Journalism-2016.

11. Dr. Krishnapriya Mohanraj received Prof. M.L. Khorana award for best paper in medicinal and synthetic Chemistry in Indian Journal of Pharmaceutical Sciences for 2014 for the paper Jay Shah, Krishnapriya Mohanraj, "Comparison of conventional and microwave assisted synthesis of Benzotriazole derivatives, Indian Journal of Pharmaceutical Sciences, 76(1), Jan 2014, 46-53, conferred by Indian Pharmaceutical Association on 22nd July 2016.

12. Dr. Krishna Iyer received Prof. M.L. Khorana memorial best paper award for Patil PG, Kamble SH, Shah TS, Iyer KR. "Effect of water miscible organic solvents on p-nitrophenol hydroxylase (CYP2E1) activity in rat liver microsomes." Indian Journal of Pharmaceutical Sciences. 2015 May;77(3):283 conferred by Indian Pharmaceutical Association in December 2016.

13. Dr. Anuradha Majumdar filed a Trade Mark for "Health Hamesha™", a Mobile and Internet App on Health



**Dr. Alka Mukne was awarded the prestigious IPA Fellowship 2016 at the 68th Indian Pharmaceutical Congress, Visakhapatnam**

## *Kudos to BCP (continued....)*

Information for common citizens in English and many Indian native languages.

14. Dr. Anuradha Majumdar and Miten Mehta were awarded 1st prize at Avishkar 2016 Inter- College research competition for the project entitled “Immuno-modified Bone Marrow Stem cells to prevent Graft Versus Host Disease after Allogeneic Bone Marrow Transplantation” (Medicine and Pharmacy, Level PhD) at Mumbai.
15. Dr. Krishna Iyer, Raikumar K, Sankaran S, Betgiri S, Tanna R, Tomar T, were awarded 1st prize at Inter collegiate Avishkar 2016-2017 for poster and oral presentation on “Choosing the correct water miscible organic solvent for predictive in vitro drug metabolism studies.” (Medicine and Pharmacy, Level Postgraduate) at Mumbai.
16. Dr. Mangal Nagarsenker, Venkataraman M, Mohanty B, Chaudhari P, Steiniger F, Thamm J, Fahr A, received Dr. K.G. Nair Award for First Prize in Preclinical Poster presentation on “Novel osteotropic liposomes: Promising nanosystems in osteoporosis therapy” at 9th Annual conference on Clinical Pharmacology in Maternal and Child Care organized by the South Asian Chapter of American College of Clinical Pharmacology held at Mumbai in April 2016.
17. Dr. Premlata Ambre won the First Prize for Poster presentation along with a cash Prize of Rs. 5000 at BVPSEMICON-16th,19th March 2016 at Bharati Vidyapeeth's College of Pharmacy, Navi Mumbai on the research project entitled "Synthesis and evaluation of thermoresponsive graft polymers for eliminating the toxic levels of heavy metals, herbicides and pesticides from waste water."
18. Dr. Krishnapriya Mohanraj and Pranav Pathak won 2nd prize at Inter-collegiate Avishkar 2016-2017 for poster and oral presentation on “Simple and Cost-effective Enantioseparation of Chiral Drugs Using Chiral Mobile Phase Additives and Core-shell Technology” (Medicine and Pharmacy, Level PhD) at Mumbai.

## *International Collaborations*

1. Dr. Mangal Nagarsenkar received a grant of 10,000€ from Academy of Finland for collaboration research with University of Helsinki on project “Molecular modelling to evaluate two new candidate liver cell targeting ligands for liposome based drug delivery systems”. The project included mobility grant for Ms Megha Marwah.
2. Dr. Premlata Ambre collaborated with Dr. Sukhvinder Bhullar, Department of Mechanical Engineering, Bursa Technical University, Bursa, Turkey, on the project “Innovations in membrane structure for effluent treatment.”

## *Ph.D.s awarded*

1. Mr. Lohit Badgujar was awarded Ph.D. (Tech) degree in Pharmacology for the thesis titled “Evaluation of selected medicinal plant and bioactive compound for the treatment of neuropathic pain” under the guidance of Dr. M. N. Saraf.
2. Ms. Purnima Gupta was awarded Ph.D. (Tech.) in Pharmaceutics for thesis titled “Particulate Systems for improved pulmonary delivery” under the guidance of Dr. Mangal Nagarsenker .

## *Patent filed*

Dr. Mangal Nagarsenker, Meenkashi Venkataraman, Megha Marwah, filed **complete specifications for patent** (PCT/IN2015/000275) entitled “Pharmaceutical composition comprising solid dispersion of BCS class II drug with Gelucire.”



## Invited lectures

1. Dr. M. N. Saraf served as chairperson for a talk on “Building machine learning based products” at an international conference on “Artificial Intelligence in Healthcare” organized by NMIMS, Shirpur on 27<sup>th</sup> December, 2016.
2. Dr. Evans Coutinho delivered a lecture on “Virtual Screening”, at the 3 Days’ Chemoinformatics Workshop, RASA Life Science Informatics from 18<sup>th</sup> to 20<sup>th</sup> November, 2016.
3. Dr. Krishna Iyer gave a talk on “Drug metabolism and Pharmacokinetics – How are they related,” at the One-week Faculty Development Program on Quality driven integrated technology in formulation sciences, held at SVKM’s NMIMS, Mumbai from 18<sup>th</sup> to 23<sup>rd</sup> November, 2016.
4. Dr. Krishna Iyer delivered a lecture on “How to prepare project proposal – Research Methodology”, at UGC\_HRDC, University of Mumbai, Refresher Course at Vidyanagari Campus of University of Mumbai, Kalina from 3<sup>rd</sup> to 22<sup>nd</sup> November, 2016.
5. Dr. Krishna Iyer gave a seminar on “Introduction to cytochrome P450s and an insight into their oxidative reactions” at UGC\_HRDC, University of Mumbai, Refresher Course on Advances in Chemical Sciences at Vidyanagari Campus of University of Mumbai, Kalina from 10<sup>th</sup> to 29<sup>th</sup> October, 2016.
6. Dr. Krishna Iyer delivered a talk on “How to prepare project report” at UGC\_HRDC, University of Mumbai, Refresher Course on ICT in Science Education at DG Ruparel College of Arts, Science and Commerce, Mumbai from 3<sup>rd</sup> - 22<sup>nd</sup> October, 2016.
7. Dr. Mangal Nagarsenker delivered a lecture on “Vesicular Nanocarriers for Overcoming the Barriers” at One-Day National Seminar on Nanotechnology, New Perspective in Drug Delivery Systems, organized by Vivekanand Education Society’s College of Pharmacy on 27<sup>th</sup> August, 2016.
8. Dr. Mangal Nagarsenker delivered a talk on “*In-vitro* drug release studies for nanoparticles: methodologies and challenges” in Disso India Ahmedabad 2016 International Annual Symposium organized by Society for Pharmaceutical Dissolution Science at Courtyard by Marriott, Ahmedabad on 26<sup>th</sup> and 27<sup>th</sup> July, 2016.
9. Dr. Mangal Nagarsenker gave a lecture on “Partnership models as innovation vanguards: Indian scenario” at 50<sup>th</sup> Anniversary of Journees Galeniques of Gattefosse Foundation, St Remy La Provence, France held in June, 2016.
10. Dr. Evans Coutinho delivered a lecture on “Medicinal Chemists – Who are we? and where do we go from here?” at the ISTE approved Short Term Training Programme (STTP) on “Technical Upgradation and Innovations in Pharmacy – A Current Challenge”, at St. John’s Institute of Pharmacy and Research, Palghar from 3<sup>rd</sup> to 7<sup>th</sup> May, 2016.
11. Dr. Krishna Iyer was the invited Speaker at the programme entitled “Technical Upgradation and Innovations in Pharmacy – A current challenge” at Aldels, St. John’s Institute of Pharmacy and Research, Palghar on 7<sup>th</sup> May, 2016.
12. Dr. Evans Coutinho gave a talk on “The Molecular Modeling Spectrum” at the Department of Chemistry, M S University, Baroda on 11<sup>th</sup> April, 2016.
13. Dr. Mala Menon delivered a lecture on “Probiotic formulations: guidelines and stability” at a conference on “Implementing Successful Stability Operations Seminar 2016” organized by Aavi Medicare Pvt. Ltd. in association with Newtronic Lifecare Equipment Pvt. Ltd. at Hotel Mirador, Mumbai in April, 2016.

## Invited Lectures (continued...)

14. Dr. Mangal Nagarsenker delivered a lecture on "Stability studies: Basic principles and considerations for nanoparticulates" in a conference on "Implementing Successful Stability Operations Seminar 2016" organized by Aavi Medicare Pvt. Ltd. in association with Newtronic Lifecare Equipment Pvt. Ltd. at Hotel Mirador, Mumbai on 30<sup>th</sup> April, 2016.
15. Dr. Mala Menon delivered a lecture on "Type IV Dissolution Apparatus- User experience" organized by Society for Dissolution in Pharmaceutical Sciences (SPDS) held at SciTech Center, Jogeshwari in March, 2016.
16. Dr. Krishnapriya Mohanraj gave an invited lecture on "<sup>1</sup>H –NMR Spectral Analysis- Part B" at Savitribai Phule Pune University sponsored two-day national seminar on "Current Aspects in Chemical Synthesis and Spectral Data Interpretation", at P.E. Society's Modern College of Pharmacy, Pune on 5<sup>th</sup> February, 2016.
17. Dr. Vaishali Shirsath was the resource person at Savitribai Phule Pune University Sponsored National Level Seminar on 'Current Aspects in Chemical Synthesis and Spectral Data Interpretation' at P. E. Society's Modern College of Pharmacy, Pune from 5<sup>th</sup> to 6<sup>th</sup> February, 2016.
18. Dr. Krishnapriya Mohanraj delivered an invited lecture on "Practical approach for HPLC method development" as a part of Pharmacy Research Week (RW) 2016 at Gujarat Technological University, Ahmedabad on 18<sup>th</sup> February, 2016.
19. Dr. Krishnapriya Mohanraj conducted a one-day workshop on "HPLC method development- A contemporary Approach" at Barbaria Institute of Pharmacy, Vadodara on 19<sup>th</sup> February, 2016.
20. Dr. Evans Coutinho delivered a lecture on "Tapping the potential of protein structures in drug design" at UGC Networking Resource Center, UIPS, Panjab University Chandigarh, Research techniques in Pharmaceutical Sciences held from 11<sup>th</sup> to 16<sup>th</sup> January, 2016.

## Grants received– Government funded projects

1. Dr. Ujwala Shinde received a grant of Rs.41,43,480/- from DST-Nanomission for the project titled "Hepatocyte targeted carbohydrate anchored smart nanostructured lipid carriers for treatment of malaria".
2. Dr. Evans Coutinho & Dr. Mushtaque Shaikh received a grant of Rs.22,06,800/- from Department of Biotechnology for the project titled "Eigen Value ANALYSIS (EVANS): an *in silico* tool to address pharmacodynamics, pharmacokinetics and toxicity issues."
3. Dr. M.N. Saraf received a grant of Rs. 60,000/- as a Minor Research Grant from Mumbai University for the project titled "Effect of bioactive compound in oxidative stress induced epithelial to mesenchymal transition associated with renal fibrosis."
4. Dr. Vaishali Shirsat received a grant of Rs. 60,000/- as a Minor Research Grant from Mumbai University for the project titled "Formulation and evaluation of vaginal nanoparticle gel for HIV prophylaxis."
5. Dr. Anuradha Majumdar received a grant of Rs. 55,000/- as a Minor Research Grant from Mumbai University for the project titled "Evaluating the potential of an oral direct thrombin inhibitor in treatment of metastatic colon cancer in rats."
6. Dr. Mala Menon received a grant of Rs. 45,000/- as a Minor Research Grant from Mumbai University for the project titled "Novel inhalation delivery systems for improved therapy of chronic obstructive pulmonary disease (COPD)."



### ***Grants received– Government funded projects (continued...)***

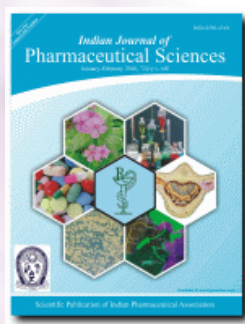
7. Dr. Ujwala Shinde received a grant of Rs. 40,000/- as a Minor Research Grant from Mumbai University for the project titled “Development of Albendazole solid lipid nanoparticles for Toxocariasis”
8. Dr. Krishnapriya Mohanraj received a grant of Rs. 25,000/- as a Minor Research Grant from Mumbai University for the project titled “Development and validation of chiral chromatographic methods for active pharmaceutical ingredients.”
9. Dr. Mushtaque Shaikh received a grant of Rs. 22,000/- as a Minor Research Grant from Mumbai University for the project titled “Rational Design, Synthesis and Biological Evaluation of Novel Antitubercular Agents.”

### ***Grants received– Industry sponsored projects***

1. Dr. Anuradha Majumdar received a grant of Rs. 8,32,600/- from Lamar Group of companies for the project titled “Acute and subchronic toxicity studies of one oral and one topical formulation.”
2. Dr. Anuradha Majumdar received a grant of Rs. 8,00,000/- from Yasham Speciality Ingredients Pvt. Ltd for the project titled “Formulation, optimization and Characterization of topical patches loaded with suitable anti acne actives.”
3. Dr. Krishnapriya Mohanraj received a grant of Rs. 4,00,000/- from Nerliker Hospital, Nasik; for project titled “LC-MS/MS analysis of disulfiram and its metabolite.”
4. Dr. Krishnapriya Mohanraj received a grant of Rs. 4,00,000/- from Nerliker Hospital, Nasik; for project titled “Bioanalysis of disulfiram and its metabolites by HPLC.”
5. Dr. Mala Menon received a grant of Rs. 2, 75,000/- from M/S Infovet for the project titled “Strategies in improvement of shelf-life of milk.”
6. Dr. Krishnapriya Mohanraj facilitated Technology transfer for synthesis of a chiral selector; 2,50,000/-were sponsored by LOBA Chemie.
7. Dr. Krishnapriya Mohanraj received a grant of Rs. 2,00,000/- from Sandu Pharmaceuticals Ltd; for project titled “*In vitro* studies of Bilagyl, Berbenterone tablets and Berbenterone paediatric suspension for anti-amoebic, antibacterial and antifungal activity for proof of concept in infectious diarrhoea therapy.”
8. Dr. Premalata Ambre received a grant of Rs. 1,70,000/- Lakhs from Indofil Industries Limited (3 projects)
9. Dr. Mangal Nagarsenker received a grant of Rs. 1,50,000/- from Cadila for the project titled “*In vitro* lung deposition studies of formulations.”
10. Dr. Mangal Nagarsenker received a grant of Rs. 98,000/- from Gattefosse, India for GMP batch of tablets for BCS class II drug as part of the project titled “Gelucire as dissolution enhancer.”
11. Dr. Mangal Nagarsenker received a grant of Rs. 86,000/- from Unosource Pharma Ltd. for the project titled “Release profiling of new systems.”
12. Dr. Mangal Nagarsenker and Dr. Savita Kulkarni received a grant of Rs. 75,000/- from Solumiks for the project titled “Development and evaluation of Herbal formulations.”
13. Dr. Anuradha Majumdar received a grant of Rs. 58,270/- from H. K. College of Pharmacy for the project titled “Evaluation of diuretic activity of extract.”
14. Dr. Krishnapriya Mohanraj received a grant of Rs. 50,000/- from SG Pharma; for project titled “HPLC analysis of quantification of Chlorobutanol in Chlorpheniramine Maleate Injection.”

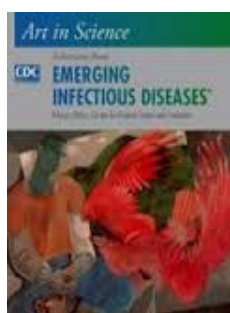
## Publications– Book Chapters

1. MS Nagarsenker, MS Marwah; “Liposomes: Concept and Therapeutic Applications”; Novel Approaches for Drug Delivery; 2016; IGI Global; 52.
2. Hazare S. A., Rongbing Y., Chavan S. S., Menon M. D., Chougule M. B.; "Ageing Disorders of the eye: challenges and approaches for their treatment"; Nano-biomaterials for ophthalmic drug delivery; 2016; Springer International Publishing AG edition Cham, Switzerland; 277-320.
3. Godse, R.; Singh, K.; Shrivastava, A.; Shinde, U.; "Polymeric Nanoparticulate Systems: A Potential Approach for Ocular Drug Delivery"; Nano-Biomaterials For Ophthalmic Drug Delivery; 2016; Springer; 351-387.
4. Majumdar A., Sangole P., Alternative Approaches to Wound Healing, chapter 21, 459-482, published in the book titled “Wound Healing - New insights into Ancient Challenges”, 2016.



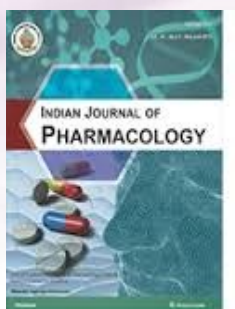
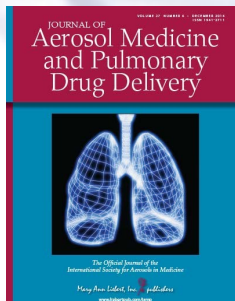
## Publications

1. Advani P, Joseph B, Ambre P, Pissurlenkar R, Khedkar V, Iyer K, Gabhe S, Iyer RP, Coutinho E. *In silico* optimization of pharmacokinetic properties and receptor binding affinity simultaneously: a ‘parallel progression approach to drug design’ applied to  $\beta$ -blockers. *Journal of Biomolecular Structure and Dynamics*. 2016 Feb 1;34(2):384-98.
2. Agrawal VN, Mujumdar DD, Nirwane AM, and Majumdar AS, Benefits of Pterostilbene in combating streptozotocin and fructose diet induced hyperglycaemia in rats. *International Journal of Scientific Progress and Research*, 2016, 26 (1): 26-31.
3. Bhagyashree Naik, Abhijit Nirwane and Anuradha Majumdar, Pterostilbene ameliorates intracerebroventricular Streptozotocin induced memory decline in rats, has been accepted for publication in *Cognitive Neurodynamics*. September 2016.
4. Bramhane, D. M.; Kulkarni, P. A.; Martis, E. A.; Pissurlenkar, R. R.; Coutinho, E. C.; Nagarsenker, M. S., Characterization of pioglitazone cyclodextrin complexes: Molecular modeling to in vivo evaluation. *Journal of Pharmacy & Bioallied sciences* 2016, 8 (2), 161.
5. Dhawan, V.; Magarkar, A.; Joshi, G.; Makhija, D.; Jain, A.; Shah, J.; Reddy, B.; Krishnapriya, M.; Róg, T.; Bunker, A.; Jagtap A.; Nagarsenker, M. S., Stearilated cycloarginine nanosystems for intracellular delivery—simulations, formulation and proof of concept. *RSC Advances* 2016, 6 (114), 113538-113550.
6. Jadhav S, Viswanathan V, Mukne AP. Validated HPTLC Method for Simultaneous Quantification of Isoniazid, Rifampicin and Glabridin. *Journal of Pharmaceutical and Biomedical Sciences*. 2016; 6(7): 453-459.
7. Jain, A. S.; Makhija, D. T.; Goel, P. N.; Shah, S. M.; Nikam, Y.; Gude, R. P.; Jagtap, A. G.; Nagarsenker, M. S., Docetaxel in cationic lipid nanocapsules for enhanced in vivo activity. *Pharmaceutical development and technology* 2016, 21 (1), 76-85.
8. Jain, A. S.; Dhawan, V. V.; Sarmiento, B.; Nagarsenker, M. S., In Vitro and Ex Vivo Evaluations of Lipid Anti-Cancer Nanoformulations: Insights and Assessment of Bioavailability Enhancement. *AAPS PharmSciTech* 2016, 17 (3), 553-571.





## Publications (continued...)



9. Jain R, S. C., Maniar J, Sharma J, Punjabi K, Vaidya S, Coutinho E, Ugharkar A, Menon MD, Targeted liposomal systems of Rifampicin for Enhanced Alveolar Macrophage Uptake: *In vitro* Assessment. *Respiratory Drug Delivery* 2016, 225-230.
10. Jhonsa, D. J, Badgujar, L. B, Sutariya, B. K, Saraf, M. N, neuroprotective effect of flavonoids against paraquat induced oxidative stress and neurotoxicity in *Drosophila melanogaster*. *Current topics in nutraceutical research*. 2016;14 (4), 283-294.
11. Karbelkar SA, Majumdar AS. Altered systemic bioavailability and organ distribution of azathioprine in methotrexate-induced intestinal mucositis in rats. *Indian Journal of Pharmacology*. 2016 May;48 (3):241.
12. Majumdar A, Varghese R, Shukla A, Arawatia M and Kumar G, Anxiety response in rats exposed to 900MHz non-ionizing radiation. *International Journal for Exchange of Knowledge*, 2016, 3 (1): 9-19.
13. Naik, P.; Shah, S. M.; Heaney, J.; Hanson, R.; Nagarsenker, M. S., Influence of Test Parameters on Release Rate of Hydrocortisone from Cream: Study Using Vertical Diffusion Cell. *Dissolution technologies* 2016, 23 (3), 14-20.
14. Nair SS, Gaikwad S, Kulkarni S, Mukne AP. *Allium sativum* constituents exhibit anti-tubercular activity *in vitro* and in RAW 264.7 mouse macrophage cells infected with *Mycobacterium tuberculosis* H<sub>37</sub>R<sub>v</sub>. *Pharmacognosy Magazine*. (In press)
15. Nirwane A, Majumdar A. Resveratrol and pterostilbene attenuated smokeless tobacco induced cardiovascular aberrations in estrogen deficient female rats. *Toxicology Research*. 2016;5(6):1604-18.
16. Pai, R. V.; Jain, R. R.; Bannaliker, A. S.; Menon, M. D., Development and Evaluation of Chitosan Microparticles Based Dry Powder Inhalation Formulations of Rifampicin and Rifabutin. *Journal of Aerosol Medicine and Pulmonary Drug Delivery* 2016, 29 (2), 179-195.
17. Paneysar JS, Barton S, Chandra S, Ambre P, Coutinho E. Novel thermoresponsive assemblies of co-grafted natural and synthetic polymers for water purification. *Water Science and Technology*. 2016 Dec 21: wst2016599.
18. Parekh, V. J.; Desai, N.; Shaikh, M.; Shinde, U., Self Nanoemulsifying Granules (SNEGs) of Meloxicam: Preparation, characterization, molecular modeling and evaluation of *in vivo* anti-inflammatory activity. *Drug Development and Industrial Pharmacy* 2016, (accepted), 1-33.
19. Pathak, P.; Dhawan, V.; Magarkar, A.; Danne, R.; Govindarajan, S.; Ghosh, S.; Steiniger, F.; Chaudhari, P.; Gopal, V.; Bunker, A.; Nagarsenker, M. S., Design of cholesterol arabinogalactan anchored liposomes for asialoglycoprotein receptor mediated targeting to hepatocellular carcinoma: *In silico* modeling, *in vitro* and *in vivo* evaluation. *International Journal of Pharmaceutics* 2016, 509 (1), 149-158.
20. Patere, S. N.; Pathak, P. O.; Shukla, A. K.; Singh, R. K.; Dubey, V. K.; Mehta, M. J.; Patil, A. G.; Gota, V.; Nagarsenker, M. S.,

## *Publications (continued....)*

- Surface-Modified Liposomal Formulation of Amphotericin B: *In vitro* Evaluation of Potential Against Visceral Leishmaniasis. AAPS PharmSciTech 2016, 1-11.
21. Pawar R.N., Chavan S.N., Menon M.D., Development, Characterization and Evaluation of Tinidazole Nanosuspension for Treatment of Amoebiasis. Journal of Nanomedicine and Nanotechnology 2016 7: 413
  22. Reshamwala SM, Mamidipally C, Pissurlenkar RR, Coutinho EC, Noronha SB. Evaluation of risedronate as an anti-biofilm agent. Journal of Medical Microbiology. 2016 Jan 1;65(1):9-18.
  23. S Chintakrindi A, AF Martis E, J Gohil D, T Kothari S, S Chowdhary A, C Coutinho E, A Kanyalkar M. A Computational Model for Docking of Noncompetitive Neuraminidase Inhibitors and Probing their Binding Interactions with Neuraminidase of Influenza Virus H5N1. Current Computer-Aided Drug Design. 2016 Dec 1;12(4):272-81.
  24. Sridhar V, Narnaware S, Kumar P, Kale SB, Majumdar AS. Co-treatment with sulforaphane–zein microparticles enhances the chemopreventive potential of zinc in a 1, 2-dimethylhydrazine induced colon carcinogenesis rat model. RSC Advances. 2016;6(41):34233-44.
  25. Shukla A, Das I, Kumar G, Varghese R and Majumdar A, Effect of 2.45 HHZ radiations on rat using microwave oven integrated with horn antenna, International Journal for Exchange of Knowledge, 2016, 3(1): 1-8.
  26. Thali NN, Kulkarni SR. Photodynamic antimetabolic activity of anthraquinones from *Rheum emodi* and *Aloe barbadensis*. International Journal of Pharmaceutical Research and Medicinal Plants. 2016 Jul 18;1(1).
  27. Varghese, S. E.; Fariya, M. K.; Rajawat, G. S.; Steiniger, F.; Fahr, A.; Nagarsenker, M. S., Lecithin and PLGA-based self-assembled nanocomposite, Lecithmer: preparation, characterization, and pharmacokinetic/pharmacodynamic evaluation. Drug delivery and translational research 2016, 6 (4), 342-353.
  28. Vaidya AV, Shinde UA, Shimpi HH. Preliminary Studies on brain targeting of intranasal atomoxetine liposomes International Journal of Pharmacy and Pharmaceutical Sciences. 2016;8(3):286-92.
  29. Wangikar P, Martis EA, Ambre PK, Nandan S, Coutinho EC. Update on Methyltransferase Inhibitors of the Dengue Virus and Further Scope in the Field. J Emerg Infect Dis. 2016;1(108):2.

## *Editorial team-ECHO BCP*

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**Dr. Alka Mukne**

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**Misbah Momin**

**Pranav Pathak**

**Dimple Jhonsa**

**Tejashree Belubbi**

**Nachiket Dandekar**



L to R (Sitting)- Dr. Mushtaque Shaikh; Dr. M.N. Saraf, Dr. Alka Mukne; L to R (Standing)- Dimple Jhonsa, Tejashree Belubbi, Pranav Pathak, Misbah Momin, Nachiket Dandekar



## *Annual function 2015-16*

The 2015-2016 Annual Day Celebrations were organized in February 2016. Dr. Vijay Khole, Vice Chancellor, Amity University was the Chief Guest and Mr. Sarosh Khatib, Deputy Chairman, Medley Pharmaceuticals Ltd. was the guest of honour for the function.



**Chief guest - Dr. Vijay Khole**



**Mr. Sarosh Khatib, Deputy Chairman, Medley Pharmaceuticals Ltd., lighting the lamp.**



**Principal– Dr. M.N. Saraf**



**Chairman– Mr. Nitin Maniar**



**Best non-teaching staff award was given to Mrs. Swati Pitkar**



**Best student award was given to Ms. Sushmita Vazirani**



**THE BOMBAY COLLEGE OF PHARMACY ALUMNI  
ASSOCIATION WAS REGISTERED UNDER  
SOCIETY ACT 1860 IN APRIL' 2016**

## *Cultural events at BCP*



Friendship Day celebration



Dassera Pooja

Bombay College of Pharmacy,  
Kalina, Santacruz (E),  
Mumbai—400098

Phone: 022-2667-0871  
Fax: 022-2667-0816  
E-mail: office@bcpindia.org

**WE'RE ON  
THE WEB:  
[www.bcp.edu.in](http://www.bcp.edu.in)**

- **Friendship Day:** It was the first event to be conducted by Students council 2016-17. The celebration included games, music and refreshments.

- **Independence Day:** With great respect and dignity for our nation the council celebrated Independence Day. The flag hoisting ceremony was followed by sapling plantation.



Independence Day Celebration

- **Freshers' party:** A grand welcome party was organized by the Students' council to welcome the F.Y.B.Pharm and F.Y.M.Pharm students.
- **Dassera celebrations:** The colors of navratri were celebrated by arranging a grand Dassera Pooja followed by Dandiya nights.
- **Diamond Jubilee celebration:** 60 successful years of our college were celebrated with great enthusiasm. The event was graced by the presence of ex-BCPians.
- **Christmas celebration –** Christmas and New Year's Eve was celebrated with cutting of cake, refreshments followed by DJ night.
- **Marathi Day Celebrations:** The glory and heritage of Marathi language was celebrated with recital of songs and speeches by all the students and staff of the college.



Christmas and New Year's celebration