CURRICULUM – VITAE

Prof. Jitendra B. Naik

Director,
Univ. Institute of Chemical Tech.,
KBC North Maharashtra
University, Jalgaon – 425 001
Ph. +91 257 2258441
Fax +91 257 2258403
Mobile +919422205671
E-mail: jbnaik@nmu.a.in

Area of Professional Interests:

Nanotechnology, Biomedical Polymers, Drug Delivery, Taste masking, Chemical Kinetics, etc.

Personal Information:

Teaching experience	:	>20 Yrs.
Research experience	:	>22 Yrs.

Awards and Scholarships	Year of Awards
1. Junior Research Fellowship (Govt. of Maharashtra)	April 1995
2. Senior Research Fellowship (C. S. I. R., New Delhi)	October 1997
3. Best Research and Development award (North Maharashtra University, Jalgaon)	August 2013
4. Best Research Paper Publication award (North Maharashtra University, Jalgaon)	August 2014
5. Best Research Paper Publication award (North Maharashtra University, Jalgaon)	August 2015
6. Best Research Paper Publication award (North Maharashtra University, Jalgaon)	August 2016
7. Best Research Paper Publication award (North Maharashtra University, Jalgaon)	August 2017
8. Materials Research Society of India Prize (MRSI Prize)	February 2018

Research Guide

M. Tech. (awarded)	-	40	Ph. D. (awarded)	-	16
Ph. D. (thesis submitted)	-	02	Ph. D. (registered)	-	06

Research Projects

Completed:

i. UGC sponsored Minor Research Project entitled "Studies on sustained released of some Anti-diabetic drugs".

ii. UGC sponsored Major Research Project entitled "Development of sustained released micro particles of some Anti-diabetic drugs".

iii. CSIR sponsored Major Research Project "Investigation of scale formation and its mitigation by using different polyelectrolyte in heat exchange equipments"

iv. UGC sponsored Major Research Project entitled "Development of site specific drug delivery system for oral formulation of NSAIDs"

v. DST, Nano mission, sponsored Major research project entitled "Development and formulation of sustained released Nano particles of some Anti-diabetic drugs".

vi. DRDO sponsored Major research project entitled "Development of drug delivery system for oral formulation of anti-hyperglycemic with anti-hypertensive drugs"

vii. TEQIP-II sponsored "Influence of Operating Parameters on $CaSO_4$ Nanoparticle Synthesis Using Micro reactor"

viii. UGC sponsored Major Research Project entitled "A study on taste masking of some bitter drugs"

Coordinator:

i) DRS, SAP, UGC, New Delhi

ii) TEQIP, World Bank

Member of Professional bodies:

i. Expert committee member, UGC, New Delhi

ii. Peer Team Member, NAAC, Bangalore

iii. Peer Team member, NBA, New Delhi

iv. Senior member, Institute of Research Engineers and Doctors (IRED)

v. Life member of Indian Institute of Chemical Engineers (IIChE)

vi. Life member of Indian Society for Technical Education (ISTE)

vii. Life member of Indian Pharmaceutical Association (IPA)

viii. Life member of Indian Desalination Association Congress (InDACON)
ix. Fellow member The Council of Engineering and Technology India (CETI)
x. Life member of Indian Science Congress Association (ISCA)
xi. Life member of National Safety Council (NSC)
xii. Life member of Institution of Engineers (IEI)
xiii. Life member of Chemical Research Society of India (CRSI)

Reviewer for Journals:

i) Drug Delivery
ii) Journal of Microencapsulation
iii) Powder Technology
iv) Journal of Pharmaceutical Innovation
v) Journal of Materials Science & Engineering
vi) Advance Powder Technology
vii) American Journal of Pharmaceutical Sciences & Nanotechnology
viii) Advance Polymer Technology
ix) Pharmaceutical Development and Technology
x) African Journal of Pharmacy and Pharmacology
xi) Journal of Advances in Applied Research

Member of Editorial Board:

i. American Journal of Pharmaceutical Sciences & Nanotechnology
ii. Scholarena Journal of Pharmacy and Pharmacology
iii. Nano based Drug Delivery

Contribution to designing of new courses:

i. Design of M. Tech. (Pharmaceutical Tech.) course at UICT, NMU Jalgaon
ii. Design of B. Tech. (Chemical Engineering) course at UICT, NMU Jalgaon
iii. Design of B. Tech. (Cosmetic Tech.) course at NMU, Jalgaon
iv. Design of M. Tech. (Pharmaceutical Tech.) course at UDCT, Aurangabad
v. Design of B. Tech. (Chem.) Course (I-IV year) at UDCT, Aurangabad

vi. Design of B. Tech. (Plastics) II-IV Yr Course at MIT College, Aurangabad

vii. Design of B. Tech. (Food Tech.) I-IV Yr Course at Shivaji University, Kolhapur

Patents:

1. Fast relief antacid powder composition for oral suspension, J.B. Naik, Vinod Mokale, Trupti Khatal, Shivraj Naik, Gokul Khairnar, 3496/MUM/2013, 2013
2. Gel based drug delivery system comprising self-emulsifying formulation, J.B. Naik, Vinod Mokale, Sunil Yadav, Jayesh Patil, 4063/MUM/2013, 2013
3. Fast release taste mask dry powder for oral suspension, J. B. Naik Umakant Verma, G. A. Khairnar, V.J. Mokale, J. S. Patil, 3782/MUM/2014, 2014
4. Combinatorial Therapeutic Regimen of Antidiabetic with Antihypertensive Drugs, Jitendra B. Naik, Gokul A. Khairnar, Vinod J. Mokale, Pritam B. Patil, 3783/MUM/2014, 2014
5. A method for measuring ethanol concentration in ethanol-water binary mixture, G. A. Bathe, A. K. Joshi, B. L. Chaudhari, Pritam B. Patil, and J. B. Naik, 14904/MUM/2016, 2016
6. Bioavailability enhancement and development of taste masked drypowder for oral suspension of antiviral agent, Umakant Verma, Gokul A. Khairnar, Rahul Rajput, Rajib Bandopadhyay, Nabarun Bhattacharyya, Jitendra B. Naik, 201721002522/MUM/2017

Research Publications:

Research Papers International Journals (Selected Papers):

1. "Effect of polymer concentration on dissolution of Pioglitazone Hydrochloride", J. B. Naik, Syed Farook Ali and D. N. Muley, Polym. Plast. Technol. Eng., 47: 722–725, (2008)
2. Hypoglycemic effect of Moringa oleifera Lam. roots in alloxan induced diabetic rats, Hemant D. Une, S. R. Lahoti, S. S. Angadi, J. B. Naik International journal of Pharmocology and Biological Sciences, 2 (2), 81-86, (2008)
3. Antiinflammatory Activity of Ethanolic and Aqueous Extracts of Caralluma adscendens" J. B. Naik and D. R. Jadge, Journal of Pharmacy Research, 2(7), 1228-1229 (2009)
4. "Effect of polymer concentration on sustained release microparticles of Metformin hydrochloride prepared by using spray dryer", Preeti Subhedar, J. B. Naik and D. N. Muley, J. Polym. Plast. Technol. Engg. 49: 267–271 (2010)
5. "UV Spectrophotometric method development and validation for determination of Paroxetine hydrochloride in pharmaceutical dosage form", J. B. Naik and M. R. Syed, International Journal of Pharmacy Pharml Sci., 2 (2), 43-45 (2010)
6. "Fast dispersible tablet of paroxetine hydrochloride: taste masking and administration in depressed patients", J. B. Naik and M. R. Syed, Lat. Am. J. of Pharmacy, 29 (5):667-73 (2010)

7. Anti-bacterial and anti-fungal activity of Actiniopteris radiata and caralluma adscendens, J. B. Naik and D. R. Jadge, International Journal of Pharma Tech Research, 2 (3), 1751 – 1753 (2010)
8. Evaluation of Analgesic activity of Actiniopteris radiate, J. B. Naik and D. R. Jadge, Journal of Pharmacy Research, 3 (7), 1556 – 1557 (2010)
9. "Synthesis and Pharmacological Evaluation of Novel 1-(2-(Benzoyl- Substituted-2-phenyl-1H-Indol-5-Carbony) Hydrazinyloxy) Vinyl Nitrate Derivatives as Potent Non-Ulcerogenic, Analgesic and Anti-Inflammatory Agents, Vinod J Mokale, Mayuresh K. Raut, Prashant J Burange, Navneet S Dhoot, Shashikant V. Bhandari, Kailash G. Bothara and J. B. Naik, Medicinal Chemistry, 6, 211 – 218, 2010
10. "Failure of Functionality of Coated Pellets into Tablets-Problems and Solutions", Naik J. B., Mokale V. J., More D. B., Bari M.M., Chavhan R. B., More B. B., Research Journal of Pharmacy and Technology, 4 (1), 43 – 46, 2011
11. "Development of multiple unit floating-pulsatile site-specific drug delivery system for chronotherapeutic release of aceclofenac", J. B. Naik, S. P. Zine, Deccan J. Pharmaceutics & Cosmetology 2(2): 26-35, 2011
12. "Development of single unit floating-pulsatile site-specific drug delivery system for chronotherapeutic release of aceclofenac", J. B. Naik, S. P. Zine, International Journal of Applied Biology & Pharmaceutical Technology, 2 (2), April – June 2011
13. "Development of sustained Release Micro/Nano particles Using Different solvent Emulsification Technique: A Review" J. B. Naik, A.B. Lokhande, S. Mishra and R. D. Kulkarni, International Journal of Pharma and Biosciences, 3(4), 573-590, 2012.
14. "Formulation and evaluation of Repaglinide nanoparticles as sustained release carriers", Naik J. B. and Mokale V. J., Novel Science International Journal of Pharmaceutical Science, 1(5), 256-266, 2012
15. Evaluation of different methods of isolation of cyanidin from syzygium cuminii, S Moinuddin, AS Dhake, JB Naik, S Hashmi, AR Siddiqui, Planta Activa, 2012
16. "Sustained released study of metformin hydrochloride using different synthetic polymers" Jitendra Naik, Gulshan Sharma and Sameer Kulkarni, International Journal of Advances in Chemical Engineering & Technology, 1(1), 12-19, 2012
17. Preparation and characterization of biodegradable cefpodoxime proxetil nanocapsules, Dhiraj Muratkar Lakshya Untwal and Jitendra Naik, Asian Journal of Pharmaceutical Sciences, 7(2): 143-148, 2012
18. "Enhancement of Solubility with Formulation & in-vitro Evaluation of Oral Nateglinide Compacts by Liquisolid Technique", Mokale Vinod, Naik Jitendra, Patil Komal, Chaudhari Rahul, K Gokul, Advances in Diabetes and Metabolism, 1 (3): 57-64 2013
19. Formulation and Development of Diltiazem Hydrochloride Sustained Release Alginate Beads by Ionotropic External Gelation Technique, Mokale Vinod, Naik Jitendra, Khairnar Gayatri, Khairnar Gokul, Advances in Pharmacology and Pharmacy, 1(3): 139-143, 2013
20. Diclofenac Sodium-Loaded Eudragit® Microspheres: Optimization Using Statistical Experimental Design, Rameshwar K. Deshmukh & Jitendra B. Naik, J Pharm Innov. 8:276-287, 2013
21. Formulation and evaluation of poly (L-lactide-co-ε-caprolactone) loaded gliclazide biodegradable nanoparticles as a control release carrier, J. B. Naik, V. J. Mokale, G.B. Shevalkar, K.V. Patil, J. S. Patil, S. Yadava, U. Verma, International Journal of Drug Delivery, 5 (3): 300-308, 2013

22. Influence of different viscosity grade ethylcellulose polymers on encapsulation and in vitro release study of drug loaded nanoparticles, Jitendra B. Naik, A. B. Lokhande, S. Mishra and R. D. Kulkarni, Journal of Pharmacy Research, 7 (5): 414-420 2013
23. "Preparation and characterization of repaglinide loaded ethylcellulose nanopaticles by solvent diffusion technique using high pressure homogenizer", J.B. Naik, A. B. Lokhande, S. Mishra and R. D. Kulkarni, Journal of Pharmacy Research, 7 (5): 421-426, 2013
24. Formulation and In Vitro Evaluation of Cimetidine Microsphere as Gastro Retentive Floating Drug Delivery System, Mokale Vinod Naik Jitendra, Shirude Priyanka, and Shimpi Navin, International Journal of Chemical, Environmental & Biological Sciences, 1(4), 701-706, 2013
25. Assessment of microparticulate drug delivery system of propranolol hydrochloride prepared by multiple solvent emulsion technique, Satish Pandav, Amolkumar Lokhande, Jitendra Naik, International Journal of Pharmacy and Pharmaceutical Sciences, 5 (3): 831-835, 2013
26. Metformin hydrochloride microparticles for oral controlled release: effect of formulation variables Nilesh B. Kulkarni1, Pravin S. Wakte and Jitendra B. Naik, International Journal of Pharmacy and Pharmaceutical Sciences, 5 (3): 135-144, 2013
27. Development of surfactant free nanoparticles by a single Emulsion high pressure homogenization technique and effect of Formulation parameters on the drug entrapment and release, Jayesh Shivaji Patil, Sunil kumar Yadav, Vinod Jagganathrao mokale, Jitendra Baliram Naik, International Journal of Pharmacy, 3(4): 843-852, 2013
28. "Effects of Zizyphus mauritiana Lam. leaves extract in alloxan induced diabetes and its secondary complications in rats", Hemant Une, M. S. Ghodke, Mohammed Mubashir and J. B. Naik, Der Pharmacia Sinica, 4(2):92-97, 2013
29. "Development of sustained release microparticles of diclofenac sodium using polymer complex by spray drier", Jitendra Naik, Rameshwar Deshmukh and Vikas Kamble, American Journal of Pharm Tech Research, 3: 892-904, 2013
30. Formulation and development of nateglinide loaded sustained release ethyl cellulose microspheres by O/W solvent emulsification technique, Gokul Khairnar Vinod Mokale Jitendra Naik, Journal of Pharmaceutical Investigation, 44 (6): 411-422, 2014
31. "Effect of solvents, drug/polymer ratios, surfactant concentration on in vitro characteristics of repaglinide loaded poly (meth) acrylates nanoparticles: a comparative study", Jitendra B. Naik, Amolkumar B. Lokhande, Satyendra Mishra and Ravindra D. Kulkarni, Micro and Nano system, 6 (4): 241 – 253, 2014
32. Preparation and characterization of Biodegradable Glimepiride Loaded PLA Nanoparticles by o/w Solvent Evaporation method using high pressure homogenizer: A factorial design approach, V. J. Mokale, J. B. Naik, U. Verma, J. S. Patil and S. K. Yadava, SAJ Pharmacy and Pharmacology,1 (1):104, 2014
33. Study of formulation variables influencing polymeric microparticles by experimental design, Rameshwar K. Deshmukh and Jitendra B. Naik, ADMET & DMPK, 2(1): 63-70, 2014
34. Aceclofenac Microspheres: Quality by Design Approach, Deshmukh RK, Naik JB, Material Science and Engineering C, 36 (C): 320-328, 2014
35. Enhancement of Solubility with Formulation & in-vitro Evaluation of Oral Nateglinide Compacts by Liquisolid Technique, Mokale Vinod, Naik Jitendra, Patil Komal, Chaudhari Rahul, Khairnar Gokul, Advances in Diabetes and Metabolism, 1(3): 57-64, 2013

36. Sustained release of ramipril from ammonio methacrylate copolymer matrix prepared by high pressure homogenizer, Satish Pandav, and Jitendra Naik, International Journal of Pharmacy and Pharmaceutical Sciences, 6 (1): 349 – 353, 2014
37. Non-degradable polymer based microparticles containing water soluble drug prepared by solvent Evaporation method, Satish Pandav and Jitendra Naik, World Journal of Pharmacy & Pharmaceutical Sciences, 3 (2): 2168 -2178, 2014
38. Preparation and Characterization of Microparticles of Propranolol Hydrochloride using Eudragit RSPO polymer, Satish Pandav, Jitendra Naik, J. Advances in Science and Technology, 14(2): 185-190, 2014
39. Preparation and *In vitro* Evaluation of Ethylcellulose and Polymethacrylate Resins Loaded Microparticles Containing Hydrophilic Drug, Satish Pandav, and Jitendra Naik, Journal of Pharmaceutics, 2014
40. Preparation and *In-vitro* Characterisation of Lovastatin Liquisolid Self-Emulsified Drug Delivery System, Mokale Vinod, Naik Jitendra, Wani Dharitri, Patil Jayesh, Yadava Sunil, and Verma Umakant, International Journal of Chemical, Environmental & Biological Sciences, 2(1): 17-23 2014
41. Preparation and Evaluation of Sustained Release Venlafaxine HCl Microspheres, Vinod Mokale, Jitendra Naik, Pankaj Wagh and Gokul Khairnar, Dhaka Univ. J. Pharm. Sci. 13(1): 83-91 2014
42. Formulation and development of nanoparticles for quick and complete release of Hydrochlorothiazide by nanonization technique, V. J. Mokale, Bharti Khatumaria, J. B. Naik, U. Verma, Micro and Nano system, 6: 109 -117, 2014
43. Preparation of freeze-dried solid dispersion powder using mannitol to enhance solubility of Lovastatin and development of sustained release tablet dosage form, Umakant Verma, J. B. Naik and V.J. Mokale, American Journal of Pharmaceutical Sciences and Nanotechnology, 1(1): 11- 26 2014
44. Chitosan reinforced alginate controlled release beads of losartan potassium: design, formulation and in vitro evaluation, Vinod Mokale, Naik Jitendra, Sutar Yogesh, Khairnar Gokul, Journal of Pharmaceutical Investigation, 44(4): 243-252, 2014
45. Sodium alginate/ HPMC / liquid paraffin emulsified (o/w) gel beads, by factorial design approach; and in vitro analysis, Sunil Kumar Yadava, Jayesh S. Patil, Vinod J. Mokale and J. B. Naik, J Sol-Gel Sci Technol, 71: 60-68, 2014
46. Anxiolytic activity of Ziziphus mauritiana Lam. Leaves, Hemant D. Une, Lalit P. Une and J. B. Naik, Advances in Applied Science Research, 5(1):182-185, 2014
47. The impact of preparation parameters on sustained release aceclofenac microspheres: a design of experiments, Jitendra B. Naik and Rameshwar K. Deshmukh, Advanced Powder Technology 26: 244–252 2015
48. Development and Evaluation of Nateglinide Loaded Polycaprolactone Nanoparticles, A. Lokhande, S. Mishra, R. Kulkarni and Jitendra Naik, Micro and Nanosystems, 7(1): 43-48, 2015
49. Optimization of sustained release aceclofenac microspheres using response surface methodology, Rameshwar K. Deshmukh and Jitendra B. Naik, Materials Science and Engineering C 48: 197–204, 2015
50. Nilesh Kulkarni, Pravin Wakte, Jitendra Naik, Development of floating chitosan-xanthan beads for oral controlled release of glipizide, International Journal of Pharmaceutical Investigation, 5 (2): 73-80, 2015

51. J. B. Naik, D. R. Jadge, A. N. Deshpande, A. B Gadgul and A. R. Siddiqui Pharmacological and phytochemical review on actiniopteris radiata, International Journal of Pharmaceutical Sciences and Research, 6(4): 1377-1377, 2015
52. Pankaj Wagh, Jitendra Naik Formulation and characterization of ketoprofen embedded polycaprolactone microspheres using solvent evaporation method ADMET & DMPK 3(2) 141-153, 2015
53. Amol S. Gawali, Rameshwar K. Deshmukh Jitendra B. Naik, Development and optimization of sustained release polymeric microparticles by screening design Journal of Pharmaceutical Investigation, 45: 349–358, 2015
54. Gokul Khairnar, Pritam Patil, Mokale Vinod, Jitendra Naik, Investigation on the development of Losartan Potassium sustained release microspheres by solvent evaporation methods, Micro and Nanosystems, 7(3): 190-196, 2015
55. S. K. Yadava, J. B. Naik, Jayesh S. Patil, V. J. Mokale, Ruby Singh, Enhanced solubility and bioavailability of lovastatin using stabilized form of self-emulsifying drug delivery system, Colloids and Surfaces A: Physicochem. Eng. Aspects, 481: 63–71, 2015
56. Pritam Patil, Gokul Khairnar, Jitendra Naik, Preparation and statistical optimization of Losartan Potassium loaded nanoparticles using Box Behnken factorial design: Micro reactor precipitation, chemical engineering research and design, 104, 98–109, 2015
57. V. J. Mokale, Harshada Patil, Ajit P. Patil, P. Shirude and Jitendra Naik, Formulation and optimization of famotidine proniosomes: an in vitro and ex vivo study, Journal of Experimental Nanoscience, 11 (2): 97-110, 2016
58. Pankaj Wagh, Jitendra Naik, Development of Mefenamic acid loaded polymeric microparticles using solvent evaporation and spray drying technique, Drying Technology 34 (5): 608-617, 2016
59. Mokale Vinod, Rajput Rahul, Patil Jayesh, Yadava Sunil, Naik Jitendra, Formulation of Metformin Hydrochloride nanoparticles by using spray drying technique and in-vitro evaluation of sustained release with 32-level factorial design approach, Drying Technology 34 (12): 1455- 1461, 2016
60. Rameshwar K. Deshmukh and Jitendra B. Naik, Optimization of spray dried diclofenac sodium-loaded microspheres by screening design, Drying Technology, 34 (13): 1593-1609, 2016
61. Mrunal Waghulde and Jitendra Naik Poly-e-caprolactone loaded miglitol microspheres for treatment of Type-2 diabetes mellitus by using response surface methodology Journal of Taibah University Medical Sciences, 11(4): 364-373, 2016
62. Sunil Yadava, Jitendra Naik, Jayesh Patil and Vinod Mokale, Development of Encapsulated Self Healed Microparticles: Evaluation by RSM, Micro and Nanosystems, 8 (1): 31-40, 2016
63. R. K. Deshmukh, P. S. Wagh and J. B. Naik, Solvent evaporation and spray drying technique for micro-and nanospheres/ particles preparation: A review, Drying Technology 34 (15): 1758-1772, 2016
64. Pankaj Wagh, Amol Gawali and Jitendra Naik, Development of Ketoprofen Loaded Micro-/nanospheres Using Different Polymers, Current Nanomaterials, 1(3): 207-214 2016
65. Gokul Khairnar, Jitendra Naik and Vinod Mokale A statistical study on the development of micro particulate sustained drug delivery system for Losartan Potassium by 32 factorial design approach, Bulletin of Faculty of Pharmacy, Cairo University, 55:19-29 2017

67. J. S. Patil, P. B. Patil, P. Sonawane and J. B. Naik Design and development of sustained-release glyburide-loaded silica nanoparticles, Bull. Mater. Sci.,40(2): 263–270, 2017
68. M. R. Waghulde and J. B. Naik, Comparative study of encapsulated vildagliptin microparticles produced by spray drying and solvent evaporation technique, Drying Technology, 35(13): 1645–1655, 2017
69. Amol Lokhande, S. Mishra, R. Kulkarni and Jitendra Naik, Preparation and characterization of Nateglinide loaded hydrophobic biocompatible polymer nanoparticles J. Inst. Eng. India Ser. D, 98 (2): 269-277 2017
70. RK Deshmukh, JB Naik, Formulation of Diclofenac Sodium-Loaded Ethylcellulose Microparticles Using 23 Factorial Design Approach Micro and Nanosystems, 9 (1) 7-15, 2017
71. Umakant Verma, Jitendra B. Naik, Jayesh S. Patil, Sunil K. Yadava, Screening of process variables to enhance the solubility of famotidine with 2-HydroxyPropyl–β-Cyclodextrin & PVP K-30 by using Plackett–Burman design approach, Materials Science and Engineering: C, 77: 282–292, 2017
72. R Deshmukh, A Mujumdar, J Naik, Production of aceclofenac-loaded sustained release micro/nanoparticles using pressure homogenization and spray drying, Drying Technology 36(4): 459–467, 2018
73. JB Naik, MR Waghulde, Development of vildagliptin loaded Eudragit® microspheres by screening design: in vitro evaluation Journal of Pharmaceutical Investigation, Online 2017
74. Preena Shrimal, Himanshu Sanklecha, Pritam Patil, Arun Mujumdar, Jitendra Naik, Biodiesel Production in Tubular Microreactor: Optimization by Response Surface Methodology, Arabian Journal for Science and Engineering 43: 6133–6141 2018
75. S Kulkarni, P Patil, A Mujumdar and J Naik Synthesis and evaluation of gas sensing properties of PANI, PANI/SnO2 and PANI/SnO2/rGO nanocomposites at room temperature, Inorganic Chemistry Communications 96: 90-96, 2018
76. Rutuja Deshmukha, S. Mishra and Jitendra Naik Preparation and Characterization of Glipizide Loaded Eudragit Microparticles, Micro and Nanosystems, 10(2): 128 – 135, 2018
77. JS Patil, JB Naik, Carrier Based Oral Nano Drug Delivery Framework: A Review, Current Nanomaterials, 3 (2): 75-85, 2018
78. Mrunal Waghulde, Arun Mujumdar and Jitendra Naik, Preparation and characterization of miglitol-loaded Poly (d, l-lactide-coglycolide) microparticles using high pressure homogenization-solvent evaporation method, International Journal of Polymeric Materials and Polymeric Biomaterials, Online 2018
79. Pankaj Wagh, Arun Mujumdar and Jitendra B. Naik, Preparation and characterization of ketorolac tromethamine-loaded ethyl cellulose micro-/ nanospheres using different techniques, Particulate Science and Technology, Online 2018
80. M Waghulde, R Rajput, A Mujumdar, J Naik, Production and evaluation of vildagliptin loaded poly(dl-lactide) and poly(dl-lactide-glycolide) micro-/nanoparticles: Response surface methodology approach, Drying Technology Online 2018

Book Chapters:

1. J. B. Naik, V. J. Mokale, R. K. Deshmukh, S. V. Gawai, "Microencapsulation study by double emulsion solvent diffusion technique", Synthesis and Characterization of Nanostructured Materials, 393-398 (2010), Macmillan Publishers India Limited.
2. J. B. Naik and S. H. Pandav, "Preparation and Evaluation of Micro/nano Particles of Propranolol Hydrochloride within Ethyl cellulose using Solvent Evaporation Method", Emerging Trends in Nanotechnology and their Applications, 427-434 (2013), Pearson India
3. V. J. Mokale, Jitendra B. Naik, Sunil Kumar Yadava, Jayesh S. Patil and Umakant Verma, Glibenclamide Loaded PLA Nanoparticles Using Single Emulsion O/W Solvent Evaporation Method: A Factorial Design Approach Advances in Chemical Engineering and Technology, ELSEVIER, 51-54, 2014
4. Jayesh Patil, Sunil Kumar Yadava, Vinod J. Mokale and Jitendra B. Naik Preparation and Characterization of Single Pulse Sustained Release Ketorolac Nanoparticles to Reduce their Side-Effects at Gastrointestinal Tract Advances in Chemical Engineering and Technology, ELSEVIER, 59-62, 2014
5. Umakant Verma, J. B. Naik and V. J. Mokale, Preparation and Characterization of the Inclusion Complex of Famotidine with (2-Hydroxy Propyl) –B-Cyclodextrin & PVP K-30: Effects on Solubility and Bitter Taste Mask, Advances in Chemical Engineering and Technology, ELSEVIER, 63-67 2014,
6. Gokul Khairnar, Pritam Patil, Jayesh Patil, Vinod Mokale and Jitendra Naik Development of Sustained Release Nanoparticles of Repaglinide By Using Micro Reactor Anti- solvent Precipitation Method, Advances in Chemical Engineering and Technology, ELSEVIER, 211-214, 2014
7. Swapnil Ghungrud, S Mayadevi and Jitendra B. Naik, Liquid Phase Acylation of Mesitylene over H-Beta Zeolite: A Kinetic Study, Advances in Chemical Engineering and Technology, ELSEVIER, 278-282, 2014
8. S. S. Barkade, G. R. Gajare, S. Mishra, J. B. Naik, P. R. Gogate, D. V. Pinjari, and S. H. Sonawane, Recent Trends in Carbon Nanotubes / Graphene Functionalization for Gas/Vapor Sensing: A Review, Chemical Functionalization of Nano Materials: Chemistry and Applications, Taylor & Francis Group, CRC Press, 869-891, 2015
9. Mrunal R. Waghulde, Jitendra B. Naik, Microencapsulation Techniques: Drug Delivery. A review, Encyclopedia of Polymer Applications, (Accepted) (Taylor & Francis).

Conference proceedings:

1. U Verma, R Rajput, JB Naik Development and characterization of Fast Dissolving Film of Chitosan Embedded Famotidine Using 32 Full Factorial Design Approach, Materials Today: Proceedings ELSEVIER, 5: 408- 414, 2018
2. M Waghulde, J Naik, Development and validation of analytical method for vildagliptin encapsulated poly-ε-caprolactone microparticles, Materials Today: Proceedings 5, 958–964, 2018

Visit Abroad: South Korea, China, Croatia, Malaysia

Additional Strengths:

- Knowledge of operations of plants in Industry
- Well Conversant with Principles, Applications and Operations of Modern Instruments and Equipment's.

Place: Jalgaon Sd/-

Date: 17/01/2019 Prof. Jitendra B. Naik