

Faculty Profile		
Name :	Arti Patel (Assistant professor)	
Date of Birth :	30/04/1982	
Educational Qualifications:		
-Master's (University)	M.Pharm. in Pharmacognosy, Rajiv Gandhi University of Health Sciences (2004-2006)	
-Bachelor's(University)	B.Pharm., HNGU (1999-2003)	
-Any Other:	DEBM, EDII (2016)	
Area of Specialization :	Pharmacy, Pharmacognosy, Herbal Drug Technology	
Date of Joining (LJIP)	13/06/2019	
Present Position :	Assistant Professor, L.J. Institute of Pharmacy	
Contact Details:		
-Address :	B/2 Siddhi appartment, Shree Siddhi Co-operative Housing Society, B/h Shahibaug Post Office, Circuit House, Shahibaug, Ahmedabad-380004, (Gujarat) India.	
-Email	<a href="mailto:arti.patel_ljip@ljinstitutes.edu.in">arti.patel_ljip@ljinstitutes.edu.in</a> , <a href="mailto:artipatelcog@gmail.com">artipatelcog@gmail.com</a> ,	
-Phone	(M) 8320114981	
Work Experience :	Teaching (11 years) Industrial(--), Research& Development(--)	
Subjects taught :		
-Under Graduate level	Pharmacognosy (3 <sup>rd</sup> , 5 <sup>th</sup> , 7 <sup>th</sup> and 8 <sup>th</sup> sem.), Herbal Drug Technology (6 <sup>th</sup> sem.)	
Area of Specialization in your field	Phytochemical and Pharmacological screening of Integrative medicine	
A brief account of work done by you in the M. Pharm.	<p style="text-align: center;"><b><u>M.Pharm</u></b></p> <p><b><i>“Screening of phytoconstituents from Casuarina equisetifolia Forst. &amp; Forst and Celosia argentea Linn. for their Anti-amoebic property”</i></b></p> <p><i>Casuarina equisetifolia</i> Forst. &amp; Forst f. bark and <i>Celosia argentea</i> Linn. seeds are traditionally reputed to be anti-dysenteric. The study is focused on scientific evaluation of the traditional claim of both the herbs. Various extracts/fractions/isolated compound of both the plants were screened <i>in vitro</i>, for their anti-amoebic activity against <i>Entamoeba histolytica</i> strain. Preliminary phytochemical investigation of different extracts showed the presence of carbohydrates, tannins, alkaloids, phytosterols and triterpenoids in <i>C. equisetifolia</i> bark where as carbohydrates, amino acids, glycosides, phytosterols and fixed oil found present in <i>C. argentea</i> seeds. Different concentrations ranging from 75 to 3000 µg/ml of different extracts of both the plants and isolated alkaloid fraction from <i>C. equisetifolia</i> were screened for their anti-amoebic activity. Different solvent extracts like alcoholic, aqueous, successive butanolic, ethyl acetate and isolated crude alkaloid fraction of <i>C. equisetifolia</i> bark showed 100 % inhibition of the growth of <i>E. histolytica</i> at the different concentrations.</p>	

New Technologies /methods developed by you	----
Scale up and Technology Transfer	----
Industrial Projects Carried Out :(No.)	----
Revenue/Royalty earned by the Organization in Indian Rupees	----
No. Government funded Projects undertaken by you and their total value	----
<b>Research Guidance :</b>	
-Master's	----
-Guide for PhD	----
Summer/Winter/School/Conference/ Workshops attended:	17
Summer/Winter/School/Conference/ Workshops Conducted:	03
Patents taken/applied for:	----
<b>Publications: No of books: 00</b>  <b>Research Papers : 08 (05 in International Journals- Pubmed- 02, 03 in National journals)</b>  <ol style="list-style-type: none"> <li><b>Journal of Complementary and Integrative Medicine</b> 2017 Anti-inflammatory and immunomodulatory activities of <i>Inula cappa</i> roots (compositae) <a href="https://pubmed.ncbi.nlm.nih.gov/28889730/">https://pubmed.ncbi.nlm.nih.gov/28889730/</a></li> <li><b>Pharma Science Monitor</b> 2013 Antihypertensive activity of fruits of <i>Lagenaria siceraria</i> in Dexamethasone induced hypertension in rats <a href="https://pdfs.semanticscholar.org/de57/306d74800c64221db520bc8320b8176ff317.pdf">https://pdfs.semanticscholar.org/de57/306d74800c64221db520bc8320b8176ff317.pdf</a></li> <li><b>Pharma Science Monitor</b> 2013 Antihypertensive activity of fruits of <i>Trichosanthes dioica</i> in Dexamethasone induced hypertension in rats <a href="https://pdfs.semanticscholar.org/97a5/51918275839b9893374bc1ad10624e788bfa.pdf">https://pdfs.semanticscholar.org/97a5/51918275839b9893374bc1ad10624e788bfa.pdf</a></li> <li><b>International Journal of Biomedical and Pharmaceutical Sciences</b> 2010 Lipid Lowering Activity of <i>Ixora coccinea</i> leaves in Hyperlipidemic Rats <a href="http://www.globalsciencebooks.info/Online/GSBOnline/images/2010/IJBPS_4(1&amp;2)/IJBPS_4(2)98-100o.pdf">http://www.globalsciencebooks.info/Online/GSBOnline/images/2010/IJBPS_4(1&amp;2)/IJBPS_4(2)98-100o.pdf</a></li> <li><b>International Journal of Green Pharmacy</b> 2010 Antioxidant and Antimicrobial Activity of Isolated Constituents from the Bark of <i>Polyalthia longifolia</i> <a href="https://www.greenpharmacy.info/index.php/ijgp/article/view/127">https://www.greenpharmacy.info/index.php/ijgp/article/view/127</a></li> <li><b>International Journal of Biomedical and Pharmaceutical Sciences</b> 2009 Free Radical Scavenging Property of <i>Quisqualis indica</i> <a href="http://www.globalsciencebooks.info/Online/GSBOnline/OnlineIJBPS_3_1.html">http://www.globalsciencebooks.info/Online/GSBOnline/OnlineIJBPS_3_1.html</a></li> <li><b>Indian Journal of Pharmaceutical Sciences</b> 2008 Antimicrobial activity of <i>Acanthus ilicifolius</i> (L.) <a href="https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3040886/">https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3040886/</a></li> <li><b>International Journal of Biomedical and Pharmaceutical Sciences</b> 2008 <i>In Vitro</i> Antioxidant Property of Leaf Extracts of <i>Ixora coccinea</i> L. <a href="http://www.globalsciencebooks.info/Online/GSBOnline/images/0812/IJBPS_2(2)/IJBPS_2(2)84-87o.pdf">http://www.globalsciencebooks.info/Online/GSBOnline/images/0812/IJBPS_2(2)/IJBPS_2(2)84-87o.pdf</a></li> </ol>	

## Conferences ,Workshops and Seminars

1. Attended Training on 'Basics of HPLC Instrumentation, Maintenance, Troubleshooting in Labsolutions on Shimadzu HPLC' held at L. J. Institute of Pharmacy organized by Spinco Biotech Pvt. Ltd. 2019.
2. Attended AICTE sponsored International Conference on 'Biomolecular and Biothechnological Aspects of Medicinal Plants', organized by L. M. College of Pharmacy, Ahmedabad, October 2019
3. Attended GUJCOST sponsored National Seminar and State convention of Society of Pharmacognosy (Gujarat chapter) on 'Nutraceuticals and dietary supplements: Unlimited frontiers in lifestyle disorders' organized by School of Pharmacy, ITM, Baroda, Sept. 2019
4. Attended Technology & Research Management Seminar on 'Translating Research 2 Rupees' held at Arihant School of Pharmacy & Bio-Research Institute, organized by Oakbrook Business School, 2017.
5. Attended GUJCOST sponsored National workshop on 'Breaking Barriers to Redefine Pharmacognosy' at L. M. College of Pharmacy in association with Society of Pharmacognosy, 2016.
6. Attended 'Entrepreneurship Awareness Camp' at Arihant School of Pharmacy & Bio-Research Institute, organized by Oakbrook Business School, 2016.
7. Contributed as a **Pharmachrome Event Manager** in **GTU Techfest** held at L. M. College of Pharmacy, Ahmedabad, 2015.
8. Completed **7 days Training cum Workshop** on 'Essential oil, Perfumery & Aromatherapy' held at Forest Research Institute, Dehradun, 2013.
9. **Organized** GUJCOST sponsored state level seminar on 'Advances & Emerging Trends in New Drug Design by Molecular Modeling, QSAR and Retro Synthesis' organized by Pioneer Pharmacy Degree College 2013.
10. Attended State level seminar on 'Advances & Emerging trends in Pharmaceutical Sciences' organized by Pioneer Pharmacy Degree College, 2012
11. Worked as **Organizing Committee Member** in ABVP organized Regional level seminar **Pharma Vision** held at Pioneer Pharmacy Degree College, 2012
12. Completed **21 days UGC sponsored Refresher Course (FDP)** on 'Thrust Areas on Development of Natural Products', organized by School of Natural Product Studies, Jadavpur University, Kolkata, obtained **Grade "A"**, 2008
13. Attended National Workshop on 'Instrumental Chromatography and Drug Discovery' at School of Natural Product Studies, Jadavpur University, Kolkata, 2008
14. **Poster presented** entitled 'Antibacterial and antifungal property of leaf extract of *Quisqualis indica* Linn.' in National Seminar on Medicinal Plants at UGC Centre for advanced study, Department of Botany, The University of Burdwan, West Bengal, 2008
15. **Poster Presentation Accepted** entitled 'Antimicrobial effect of leaf extracts of *Ixora coccinea* Linn.' in National Seminar on Medicinal Plants at UGC Centre for advanced study, Department of Botany, The University of Burdwan, West Bengal, 2008
16. **Poster Presentation Accepted**, entitled 'Herbal Immunomodulators: A Review' in National Seminar on HIV-AIDS & Herbal Drug Research at J. L. Chaturvedi College of Pharmacy, Nagpur, 2007
17. **Oral Presentation delivered** on the topic 'GCP Guidelines: A Quality Improving Strategy' at 54<sup>th</sup> IPC, Pune, 2002

### Notable Achievements and activity excuted:

- Organized **National Conference as Co-Convener** entitled 'Frontiers and Avenues in the field of herbal drug research' held at L. M. College of Pharmacy, Ahmedabad, 2015.
- **Got 1<sup>st</sup> rank in M.Pharm. (Pharmacognosy) in K.L.E.S's College of Pharmacy, Hubli. (2005)**

<b>Association with Professional Bodies</b>	----
<b>Grants Received/Fetched:</b>	----
<b>Consultancy and Expertise available for industries</b>	----