RESUME

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Life Member of Association of Pharmaceutical Teachers of India (APTI), Regd.No-HA/LM-152

A Registered Pharmacist from Pharmacy Council, Regd. No.-14477

I.K.Gujral Punjab Technical University, Kapurthala, Punjab, Institute Faculty & HOD ID-10684

Rayat-Bahra Group of Institutes, Education City, Hoshiarpur, Punjab, EDP ID-10440.



Serving to Rayat-Bahra Institute of Pharmacy, Education City, Hoshiarpur as Head of Institute (**HOI**) & Associate Prof .in Pharmaceutics. Attached with Rayat-Bahra Group Since 19/08/2008. More than 12.6 years.

CAREER OBJECTIVE

To make a promising career in the field of Pharmacy in an organization where my hard work and dedication will take me to the pinnacle of success while contributing to the organization.

	EDUCATIONAL QUALIFICATION							
QUALIFICATION	SCHOOL / COLLEGE	BOARD /UNIVERSITY	YEAR OF PASSING	% OF MARKS				
Matriculation	M.K.C. High School, Bpd	B.S.E. ,Odisha	1997	80%				
D. Pharmacy	S.I.P.S, Jharpokharia	O.S.B.P, Odisha	2003	63 %				
B. Pharmacy	S.I.P.S, Jharpokharia	B.P.U.T, Odisha	2006	75%				
M. Pharmacy	Department of Pharmacy,	Annamalai University,	2008	OGPA 7.94 (80 %)				
(Industrial Pharmacy)	Annamalai University.	Tamilnadu.						
M.B.A (H.R.)	P.I.C.T,Hoshiarpur	P.T.U,Kapurthala,Punjab	2011	68%				
Ph.D (Pharmaceutics)	USPS,RBU	RBU,Mohali,Punjab	2020	Completed				

Doctor of Philosophy in Pharmaceutical Sciences from RBU, Moali , Punjab on the Research topic "Formulation development & biological evaluation of Lipid based Nanocarriers of Anti-Parkinsonian Agents" under the Guidance of (Prof.) Dr.S.L.Harikumar, & Dr.Gurfateh singh Dean, USPS, Rayat Bahra University, Mohali. Punjab, India.

PROFESSIONAL EXPERIENCE			
Organization	Experience		
Bio-Plus Life Sciences, White field area, Bangalore-48	12 months in the Formulation and Development department as Junior		
	Research Assistant (During M.Pharmacy 2 nd Year Research work)		
Rayat-Bahra Group of Institutes, Education City, Hoshiarpur (Punjab)	Working as HOD and Associate Professor in Pharmaceutics in RBIP from August 2008 to till date (U.G. Teaching 12.5 years, P.G Teaching 7.5 years.)		
Rayat-Bahra Institute of Engineering and Nano-Technology (10+2 School wing, Medical and Non-medical),PSEB mode, Education City, Hoshiarpur (Punjab)	Worked as Part-time Faculty in Environmental Education from July 2009 to July 2012 (3 years)		
AWARDS / ACHI	FVFMFNTS IN ACADEMICS		

- Author of 5 Text books of Pharmacy as per Latest PCI syllabus 2017. Pharmaceutical Jurisprudence (B.Pharmacy 5th Semester), Computer Applications in Pharmacy (B.Pharmacy 2nd Semester) and Environmental Sciences (B.Pharmacy 2nd Semester), Pharmaceutical Biotechnology (B.Pharmacy 6th semester), Novel Drug Delivery Systems (B.Pharmacy 7th sem) & 1 is Under Process.
- 2. Received prestigious "Young Scientist Award 2020" for Science & Medicine by VD association, Tamilnadu in 2020.
- 3. Received Prestigious "InSc Young Achiever Award (YAA)" by Institute of Scientists, Bangalore, in June 2020.
- 4. Ambassador of Prestigious 'Bentham Science Publishers' due to high quality paper publication.
- Received Prestigious "Young Faculty Award 2020" by Centre for Education Growth and Research (CEGR), New Delhi, India. Result to be declared in July 2020.
- 6. Received Prestigious "Best Faculty award" by 9th Science & Technology Awards-20 for Academicians, Researchers, Scientists, authors by Education Expo, Research and branding company, Newdelhi.
- 7. Received Prestigious "Best Young Faculty award" by Sidra Bahuudeshiya Vikas Santha, Govt Registered Society, SBVS National Education Awards, 2019-20, in recognition to outstanding Contribution in the field of Education, Maharastra
- 8. Received Prestigious "Rashtriya Shiksha Ratan Award 2020" by MVLA Trust, Global Achiever Teachers Conference, Hyderabad, India.
- 9. Received Prestigious "WAC Star Award" by World against Corruption, People Council, in Social Activist Category, for tremendous contribution in the field of Education. Punjab, India
- 10. Received Prestigious "Young Professor of the Year" by Global School Awards 2020, for exceptional work and outstanding contribution and services towards education, Punjab, India
- Received Prestigious "The Real Super Heros Award 2020" as Corona Warrior, by FSIA (Forever Star India Awards), in Social Activist. Punjab, India
- 12. Received prestigious "Young Educator of India Award-2020" by G-Town Society, Award of Excellence 2020, Haryana, India.
- 13. Received prestigious "Pharma Rising Star Award" at Virtual Conference on Pharma Vision 2K25 September 2020 by Shri Balaji Book Distributors, New Delhi,India.
- 14. Received prestigious "Best Young Academic Excellence Award" at Virtual conference on "Transforming Global Health" on World



- Pharmacist Day by National Forum of Pharmacy Student, India
- 15. Received prestigious "Young Educator of India Award-2020" by G-Town Society, Award of Excellence 2020, Haryana, India
- 16. Received prestigious "Best Professor of the Year Award" by Asian Education Awards, in recognition of continuing excellence in Teaching, Awarded at AEA conference India
- 17. Received prestigious "National Eminent Educator Award-2020" by I2OR National awards, India
- 18. Received prestigious "Indian Humanitarian Award" by Indian Book of Records, special recognition & Commendations for continuous dedication and humanitarian work during COVID-19 Pandemic.
- 19. Received prestigious "International Record" of "Achieved Maximum Certificates During Covid-19 Lockdown Period" by WAC book of Records, International.
- 20. Received prestigious "Best Leadership Award-2020" by CBG Edu International, for excellent achievement and renowned services to the nation. India
- 21. Received prestigious "Best Social Activist Award" by WAC people council, for tremendous contributions in the field of peace, education and encouraging social order in area. India
- 22. Received prestigious "Prabhat Social Award-2020" by global human rights Foundation, India for excellence achievements & remarkable services to the nation.
- 23. Received prestigious "International Youth Icon Award" by World Against Corruption Society, under ministry of corporate affairs affiliated by United Nations.
- 24. Scored the top position in the 4th semester final examination 2004 of B. Pharmacy conducted by North Orissa University, Orissa.
- 25. Scored the top position in the 6th semester final examination 2005 of B. Pharmacy conducted by North Orissa University, Orissa.
- 26. **100%** success achieved by B.Pharmacy (1st Sem,2nd Sem,4th Sem,5th Sem,7th Sem,2008-12 batch), students of RBIP in Punjab Technical University Theory examination.
- 27. under the guidance and supervision.
- 28. **100%** success achieved by B.Pharmacy (1stSem, 4th Sem, 7th Sem, 2009-13 batch),(4th Sem 2010-14 batch),(3rd Sem, 4th Sem& 6th Sem 2011-15 batch), (3rd Sem 2012-16 batch), (3rd Sem 2013-17 batch) students of RBIP in Punjab Technical University Theory examination under the guidance and supervision.
- 29. **100%** success achieved by M.Pharmacy (Pharmacutics) (1st Sem & 2nd Sem 2013-15 batch, 2014-16 batch), students of RBIP in Punjab Technical University Theory examination held in Dec. 2013& May 2014 under the guidance and supervision.
- 30. Awarded with 3rd Best scientific poster presentation to the guided students on "Aptamers: A potential nano carrier: An update" National Conference on "Recent Advances in Green Nano Technology" (RAGNT 2016) September 29-30, 2016 at University school of Pharmaceutical Sciences (USPS) ,Bahra University, Shimla Hills, H.P, Supported by Indian Council of Medical Research, (ICMR) New delhi & Society of Pharmaceutical Education & Research (SPER).
- 31. Awarded with Best scientific oral presentation on "Opportunities & Challenges of nano-carriers in mitigation of CNS Disorders" National Conference on "Emerging Trends in Pharmaceutical, Microbiology and Medical Sciences vis-à-vis their interventions for Sustainability of Human Health" (NCET-PMMS-2020) 21st & 22nd August 2020, organized by School of pharmacy, Career Point University, Hamirpur, Himachal Pradesh.
- 32. Awarded with ^{1st} **Prize in Best oral Presentation** on "Formulation development of transdermal patches of ropinirole hydrochloride for persistent mitigation of Parkinson's disease for Oral presentation during Govt of India NITI Aayog sponsored National Conference on "Contemporary Advancements and Innovations in Science and Technology" CAIST on April 18,2019 at Sant Baba Bhag Singh University, Punjab.

CERTIFICATE COURSE ACHIEVEMENTS

- 1. Graduated in Digital Marketing Basic Course from DigitalDeepak Institute.
- 2.Certificate course on Confirmation of Participation "Infection Prevention and Control (IPC) for Novel Coronavirus (COVID-19)" from World Health Organisation, Switzerland under Health Emergency Programme.
- 3.Certificate of Achievement on "Covid-19: Tackling The Novel Coronavirus" from London School Of Hygiene & Tropical Medicine And Uk Public Health Rapid Support Team.
- 4. Certificate course on Confirmation of Participation "ePROTECT Respiratory Infections (EN)" from World Health Organisation, Switzerland under Health Emergency Programme.
- 5. Certificate course on Confirmation of Participation "Introduction to Go.Data-Field data collection, chains of transmission and contact follow-up" from World Health Organisation, Switzerland under Health Emergency Programme.
- 6. Certificate course on Confirmation of Participation "Emerging respiratory viruses, including COVID-19: methods for detection, prevention, response and control" from World Health Organisation, Switzerland under Health Emergency Programme.
- 7. Certificate course on "Mechanical Ventilation for COVID-19" from Havard Medical School.
- 8.Certificate Course on "nCOVID 19 Awareness and Prevention Program" Conducted by Apollo MedSkills.
- 9. Certificate course through e-learning ICMR-NIN Modules of Poshan Abhiyaan from Ministry of Women and Child Development, Govt.of India, Nutrition Education Programe on "Infant and Young Child Feeding".
- 10. Certificate course through e-learning ICMR-NIN Modules of Poshan Abhiyaan from Ministry of Women and Child Development, Govt.of India, Nutrition Education Programe on "WASH".
- 11. Certificate course through e-learning ICMR-NIN Modules of Poshan Abhiyaan from Ministry of Women and Child Development, Govt.of India, Nutrition Education Programe on "Basic Nutrition".
- 12. Certificate course through e-learning ICMR-NIN Modules of Poshan Abhiyaan from Ministry of Women and Child Development, Govt.of India, Nutrition Education Programe on "Yoga".
- 13. Certificate course through e-learning ICMR-NIN Modules of Poshan Abhiyaan from Ministry of Women and Child Development, Govt.of India, Nutrition Education Programe on "Food Fortification".
- 14. Certificate course through e-learning ICMR-NIN Modules of Poshan Abhiyaan from Ministry of Women and Child Development, Govt.of India, Nutrition Education Programe on "Anaemia".

- 15. Certificate course through e-learning ICMR-NIN Modules of Poshan Abhiyaan from Ministry of Women and Child Development, Govt.of India, Nutrition Education Programe on "Mother Health and Nutrition".
- 16. Certificate course through e-learning ICMR-NIN Modules of Poshan Abhiyaan from Ministry of Women and Child Development, Govt.of India, Nutrition Education Programe on "Immunisation".
- 17. Certificate course through e-learning ICMR-NIN Modules of Poshan Abhiyaan from Ministry of Women and Child Development, Govt.of India, Nutrition Education Programe on "Non Communicable Diseases".
- 18. Certificate course on "Artificial Intelligence and drug Discovery" from Shri Vithal Education & Research Institute.India
- 19. Certificate course on Confirmation of Participation "Severe Acute Respiratory Infection (SARI) Treatment Facility Design" from World Health Organisation, Switzerland under Health Emergency Programme
- 20. Certificate course on Confirmation of Participation "Clinical Care Severe Acute Respiratory Infection" from World Health Organisation, Switzerland under Health Emergency Programme.
- 21. Certificate course on Confirmation of Participation "COVID-19:Operational Planning Guidelines and COVID-19 Partners Platform to support country preparedness and response" from World Health Organisation, Switzerland under Health Emergency Programme.
- 22. Completed a Certificate course on "Digital Marketing" from Learn Vern".
- 23. Completed a certificate course on "Startup india Learning program" Certificate no 17829069, on May 9, 2020, by Invest India, National Investment Promotion Policy, Govt. of. India.

RESEARCH EXPERIENCE

Research Work/Projects Guided

U.G Level: 39Students

- Formulation and Development of Metronidazole Floating Drug Delivery Systems
- o A Review on Oral Controlled Drug Delivery System
- o Formulation and Characterization of Tetracycline Floating Capsules.
- o Gastro-Retentive Drug Delivery System : A Review
- A Review on Blood-Brain Barrier
- o Parkinson's Disease : A Review
- o Brain Tumor : A Review
- o Recent Advances in Novel Drug Delivery System: An Overview
- o Green Blood: A Review
- o Various Disorders of CNS System : A Review
- Non-destructive quantification for solid dosage forms.: AReview
- o Role of Withania somnifera in the treatment of Parkinson's Disease: AReview
- o Recent Advancements in the treatment of Diskinensia: AReview.
- o Nanotechnological advancements in treatment of Neuro-behavioural disorders; A review.
- o Tarditive Diskinesia: Current and future prospective.
- o In-vivo study on experimental animals with anti-parkinsonian agents.

P.G Level: 15 Students

- o Formulation and Characterization of Solid-Lipid Nanoparticles of Ropinirole HCl for BBB targeted Drug Delivery Systems.
- $\circ \quad \text{Formulation and Characterization of Buccal Patches of Ofloxacin for peridointoitis}.$
- o Formulation development and evaluation of solid-lipid nanoparticles of trihexyphenidyl hydrochloride.
- o Formulation development and evaluation of nano-structured lipid carriers of ropinirole hydrochloride.
- o Formulation development & optmization of nanoemulsion based intra-nasal drug delivery of quetiapine fumarate.
- o Formulation development & optmization of solid-lipid nanoparticles of Levosulpride Hcl for Schizophenia.
- Formulation development and in-vivo evaluation of Lipid carriers of some anti-parkinsonian agents.
- o Solubility And Dissolution Enhancement Of Poorly Aqueous Soluble Drug Rosuvastatin Calcium Using *A.Marmelos*, Modified Gum Karaya And Vitamin E Tpgs As Carriers: *In-Vitro* Evaluation
- Formulation Development And Characterization Of Nano Carrier Based Novel Drug Delivery System For Parkinson's Disease
- o Formulation development characterization and Optimization of transdermal nano-patches of ropinirole Hydrochloride
- o Novel Nanotechnological Developments In Parkinsonian Management
- o Advancements in nano-formulations of trihexyphenidyl hydrochloride.

Ph D Level: 1 student, Internal coordinator cum evaluator for PhD coursework 2014 under PTU.(RBIP) Subjects Taught:

U.G Level: Pharmaceutics (Unit-Operation/Pharmaceutical Engineering, Hospital Pharmacy, Introduction to dosage forms, Dispensing & Community Pharmacy), Pharmaceutical Technology-I, Pharmaceutical Industrial Management, Pharmaceutical Jurisprudence, Pharmaceutical Biotechnology, Remedial Biology, Communication Skills, Pharmaceutical Technology-II, Pharmacognosy-I, Pharmaceutical Chemistry-I, Environmental Sciences. (Total 11 years of teaching experience)

P.G Level: Novel Drug Delivery System, Drug Regulatory affairs & Intellectual Property Rights, Regulatory Affairs, Cosmetics and Cosmeceuticals) (6years Experience)

EXTRA RESPONSIBILITIES EXECUTED AS A PHARMACY ACADEMICIAN

- $\circ \quad \text{Question paper setter for B.Pharmacy final theory examination of Bahra University,} \\ \text{Simla Hills (H.P)} \; .$
- o Answer booklets evaluator for B.Pharmacy and M.pharmacy Final Theory Examination.of IKGPTU, Kapurthala.
- Answer booklets evaluator for B.Pharmacy and M.pharmacy Final Theory Examination.of HPTU, Hamirpur.
- As an external Examiner for B.pharmacy final practical examination conducted by IKGPTU, Kapurthala & MRSSTU, Bhatinda.
- As an expert in panel of examination for M.Pharmacy project work viva conducted by IKGPTU, Kapurthala.

- Published more than 125 articles (Abstracts/Articles of review & research) in national and international journals(Including Thomson Reutors Indexed, Benthom Sciences Publishers) with impact factor more than 7.5.
- As an reviewer of World Journal of Green Pharmacy (International Journal) since October 2015.
- o As an active member of editorial committee of International Journal of Chemistry, Pharmacy & Technology, since January 2017
- As an active reviewer of Journal of Social Science and Research.(International Journal) since July 2016.
- o As an active reviewer of Innovative publishers of Journals.(International Journal), February 2017.
- As an active member of staff selection committee of RBGI, Group as interviewer.

EXTRA QUALIFICATION

Industrial Trainee in Pharmed Pvt. Ltd, Bangalore (in F&D)

Industrial visit - Panacea Biotech (cuttack), Prasanti formulation (Hoshiarpur), Stride acho lab (Bangalore), Medrich (Bangalore), Prasanti formulations (Hoshiarpur), Jacksons Pharmaceuticals (H.P), Rachhil Pharmaceuticals (H.P), Axon (HSP)

Achievements/Major Responsibilities Executed:

- o **Head of Institute (HOI)** of RBIP, Education city, Hoshiarpur for last 13 years.
- Coordinator of Web-updation Committee (AICTE, PCI, IKGPTU, AISHE, NHERC, IKGPTU Admission eligibility)
- o Nodal officer for National Scholarship Portal (NSP) of the Institute.
- o Nodal officer for the institute DAPO activity.
- o Nodal officer for PMSSS (J&K) of the Institute.
- EDP coordinator of the Institute.
- o Senior most Faculty member (Experience wise) at RBIP, Hoshiarpur with more than 12 years of retention.
- o Blood donor Volunteer.
- o Class in-Charge of B.Pharmacy 1st yr 2008batch, 2009batch, M.Pharmacy 2014, 2015 Batch (R.B.I.P).
- o Exam in-Charge of R.B.I.P, Hoshiarpur (from Aug 2008 to Dec 2012).
- o Counsellor of Pharmacy for B.Pharmacy & M.Pharmacy admission under P.T.U.Jalandhar (From 2008- upto 2019)
- o Nodal Centre in-Charge for P.T.U. final exam,2009-13
- o Member of core committee for annual cultural bonanza R.B.G.I,Hsp.(from 2008-2014)
- o Representative of the Group at Education Fairs/Career Counseling seminars/On spot admissions held at various states.
- o Faculty Coordinator of RBIP for Admissions and Marketing (13 years experience) with 100% Admissions
- Research Work Coordinator for M.Pharmacy (Pharmaceutics).
- o Coordinator for APTI for RBIP, Hoshiarpur.
- Coordinators for Personality development classes for Placement of Students.
- o Coordinator for Community Projects at Villages.
- Overall coordinator for Sciencefest-cum-gala-fete (interstate science competition for 10+2 School) from 2012-2016 4 years
- o Active member of AICTE local governance committee of RBIP.
- o Active member of Anti-ragging committee of RBIP.
- o Question paper setter of University final examination of B.Pharmacy(Pharmaceutics) of Bahra University, Simla Hills,(H.P)

Skills Known (Technical/Soft skills):

- Instrument handled– UV, HPLC.FBD, Auto Coater, Pan Coater, Granulator, R&D Tablet compression machine, Capsule filler, Double cone Blender. Stability Analyser, Strip packaging & filler, Quality control machines for solid Dosage forms.
- o Computer Proficiency: (Diploma in Computer Application), Smart Executive. Operating System: Windows 2008
- Spoken English Course (Level 2)
- Personality Development Course(1 year)

Community Project Executed/Associated.

- 1. Free Health check-up camp in the village Jatpur, Hoshiarpur ,Punjab on 5th September 2010
- 2. Free Dental check-up camp in the village Bohan, Hoshiarpur, Punjab on 11th Nov'2010
- 3. Free Eye check-up camp in the village Chabbewal, Hoshiarpur, Punjab on 14th Jan'2011
- 4. First-Aid Awareness camp in the village Nangal Shahidan, Hoshiarpur on 22nd Feb'2011
- 5. Celebration of Lohri Festival with Old age orphan home in Ramcolony, Hoshiarpur on 13th Jan' 2012
- 6. A rally on "Say no to Drugs" in Hoshiarpur Town on 18th Oct'2012
- 7. Free Eye check-up camp in the village Nangal Shahidan, Hoshiarpur, Punjab on 22nd Sept'2013
- 8. Free Dental check-up camp in GSSS, Village Nangal shaheedan ,Hoshiarpur,Punjab on 8h April'2014
- 9. Free Dental check-up camp in GPS School, village Bohan, Hoshiarpur, Punjab on 11th sept'2014
- 10. Free Health check-up camp in the village Boothgarh, Hoshiarpur ,Punjab on 5th Feb' 2014
- 11. Blood Donation camp at RBGI, Hoshiarpur, Punjab on 12th Oct' 2014
- 12. Drug De-addiction awareness camp at village Bohan on 27th August 2018
- 13. Drug De-addiction awareness rally at village boothgarh on 30 sept 2018
- 14. "Synergy 2019": District level Drug de-addiction awareness program on 16th & 17th Jan 2019.
- 15. Drug De-addiction awareness rally at Garhshankar, Punjab on 1st Feb' 2019
- 16. Drug De-addiction awareness camp at village Nangal Shahidan on 27th Feb 2019
- 17. Drug De-addiction awareness rally at village Nangal Shahidan on 13th March 2019
- 18. Prospective Drug addict Survey as per DAPO activity on 08th April 2019.

(International/National) Publication/Poster Presentation/ Paper Presentation: Total 200 till date

Research articles: 17 Review article: 49 Case studies: 03

Abstracts of poster/oral presentations/Short communications -129 Oral Presentation 06

- Recent Trends in Liposomal Drug Delivery System
- Formulation and Development of Ginger 300mg Timed Release Capsules.
- Rheological studies of different natural gums using Cup and Bob viscometer(Brookfield).(published)
- Glucosamine HCL Timed Release Tablets: A boon for osteoarthritis patients. . International Journal of Natural Product Science. ISSN 2249-6335, January 2013
- Formulation and Development of Metronidazole Floating Tablets.
- Design and Characterization of Famotidine Chewable Tablets.
- Nitroglycerine Transdermal Patch: A Novel Approach of Drug Delivery.
- Oral Insulin: A promising Challenge. International Journal of Natural Product Science ISSN 2249-6335, February 2013
- Parkinson's Disease Management: Challenges and Novel Therapeutic Approaches.
- A Study on Formulation Development of Film coated solid dosage forms of Co-amoxiclav and stability of Lactic acid Bacillus
- Formulation, Development & Optimization of Simvastatin solid dispersion of β and γ Cyclodextrin inclusion complexes.
- Approaches to transport Therapeutic agents across Blood Brain Barrier.
- Green Blood: A Superb Herbal Therapy.
- A Study on Preparation, In-vitro Evaluation of Extended Release Matrix Tablets of Tramadol Hcl using Hydrophilic Polymers
- A Comparative study of Okra gum on controlled release kinetics and other formulation characteristics of Tramadol HCl. extended release matrix tablets Vs Synthetic hydrophilic polymers, International journal of Drug delivery, 6 (2014) 339-350. ISSN: 0975-0215, Impact Factor: 1.02, Dec, 2014.
- A better way to treat diskinensia with some ethenic plants: A review, International journal of business management and scientific research, Vol: 9, www.eminencejournal.com ISSN: 2394 6636, sept'2015
- A review on Alzheimer's disease and various non-invasive approaches used to target CNS. Journal of advance research and methodology, JARM- Vol.1 (1), March 2015.
- A review on Non-destructive quantification for pharmaceutical Tablets: A nextgen in Pharmaco-economics, Journal of Harmonized Research in Pharmacy 4(3) 2015,227-245,ISSN 2321-0958, JOHR, Impact Factor: 2.655,Aug 2015.
- Magic Gold Bullet: A Promising Carrier for Anti-Cancer Agents: An Overview, World journal of pharmacological Research and technology, ISSN: 2347-4882.Oct 2015.
- Poly-pharmacological effects of green blood therapy; An update, World Journal of Pharmaceutical and Medical Research.
 WJPMR,Dec'2015.
- An investigative & Explanatory Review on Use of milk as a Broad-spectrum Drug carrier for improvement of Bioavailability & patient Compliance. American Journal of Pharmaceutical science and Research, Jan 2016.
- Development and Validation of UV-Spectrometric method for Estimation of Mefenamic Acid in Bulk and Marketed Tablets, Journal of Pharmacy and Bio-allied Sciences, JPBS, Feb'2016. (Accepted)

Paper Presented:

o Presented a Paper Entitled "Need for Value Education in Current Scenario" in PU, Chandigarh sponsored National Seminar on "Perspectives in Teacher's Education" at RBCE, Hoshiarpur Campus, from 6th February to 7th February 2012.

Webinars Attended 350+, Achieved world Record in Achieving maximum number of e-certificates (More than 350) during COVID-19 lock down period.

Youtube Motivational Talks: (1- Naturopathy of COVID 19, Link: https://youtu.be/2gekLprUMzs

(2-World Environment Day, Link: https://youtu.be/yq5zr_N6Jz4

(3-Career in Pharmacy, Link; https://youtu.be/zIJUZpnKDLg

Seminar/ Webinars/Conference/STTP/FIP/FDP attended/addressed: (More than 350+)

- National Conference "Challenges and Opportunities for Pharmacy Graduates" Conference of IPGA, Nov 5-Nov 8, 2006 at Sitamandapam, Chennai, Tamilnadu.
- o AICTE Sponsered, National Seminar on "*Quality control and total quality management in Pharmacy*", 28th Sept, 2006, Department of Pharmacy, Annamalai University, Tamilnadu.
- A Seminar on "Patents in India" by experts of patent office, Chennai division ,on 30th April 2007 held in Department of Pharmacy, Annamalai University, Tamilnadu.
- o AICTE Sponsered, National Conference on "*Advances in Pharmaceutical Education*", 21st July-23rd July 2008 at Om Shakti College of Pharmacy, Mellmarvathur, Tamilnadu.
- o Faculty induction program by R.B.G.I, HSP, 16th Jan 2009 at RBIENT, Hoshiarpur, Punjab.
- Pharmacy Faculty Induction Program by R.B.G.I, 23rd Jan-25th Jan 2009 at RIP,Roper,Punjab
- A Seminar on "Biotechnological & Pharmaceuticals from Algae" 24th Oct, 2009 by experts from Hash Biotech Ltd, held at Rayat-Bahra Mohali campus.
- A Seminar on "*Emerging trends in Pharmaceutical marketing*",8th Nov,2009 by experts from Ely Lilly Ltd ,held at Rayat-Bahra Roper campus
- o A National Seminar on "*Challenges and Opportunities in Clinical Research and Pharmacovigilance*", 25th Feb, 2010, by experts from ICRI (Lucknow) at Rayat-Bahra Mohali campus.
- A National Seminar on "*Drug Addiction and Drug Abuse*", 23rd Feb 2010 by experts from Canada, U.S.A. at Rayat-Bahra Hoshiarpur campus.

- AICTE and PTU Jalandhar sponsored 3 days FDP on "Advances in Pharmaceutical Dosage form Design", 16th July -18th July 2010, at School of Pharmaceutical Sciences, LPU, Phagwara ,Punjab.
- AICTE and PTU Jalandhar sponsored 3 days FDP on "Advances in Pharmaceutical Research", 19th July -21st July 2010, at Rayat-Bahra Mohali campus.
- AICTE Sponsored 2days National Seminar on "Advances in Drug Research", 7th-8th August, 2010, at MMU, Mullana, Haryana
- PTU sponsored Faculty Development Program on "Recent Advances in Pharmaceutical Education & Research" at RBIP, Mohali Campus, from 18th July to 22nd July 2011.
- PU, Chandigarh sponsored National Seminar on "Perspectives in Teacher's Education" at RBCE, Hoshiarpur Campus, from 6th February to 7th February 2012.
- PTU sponsored National Seminar on "Emerging Trends in Drug Innovation & Research" at RBIP, Hoshiarpur Campus, from 10th February to 11th February 2012.
- "Welcome to the Rewarding Carrier of Pharmacy"- Oral presentation to 250 students of Professionalize Coaching Center, Hoshiarpur as a Guest of Honor in Annual Prize Distribution Ceremony on 15th February 2012.
- AICTE & PTU sponsored International Conference on "Recent Advances in Pharmaceutical Research" at RIP, Ropar Campus, from 18th March to 22nd March 2012.
- PTU sponsored Faculty Development Program on "Advances in Pharmaceutical Education" at RBIP, Hoshiarpur Campus, from 2nd June to 6th June 2012.
- UGC sponsored under UGC-SAP Scheme National Seminar on "Recent Trends of Nanotechnology in Pharmaceuticals" at GJU, Hissar ,Haryana, 22nd March 2013.
- AICTE & PTU sponsored National Seminar on "Advancement, Challenges & Opportunities in Pharmaceutical Research" at ASBASJSM College of Pharmacy, Bela, Ropar, from 18th Oct. to 20th Oct. 2013.
- The National Conference on "Herbal Technology: Perspective & Practices" at KC Institute of Pharmaceutical Sciences ,Pandoga, Distt. Una ,Himachal Pradesh, from 18th -19th Jan.2014.
- The 28th National conference of IPGA at School of Pharmaceutical Sciences, Lovely Professional University, Phagwara ,Punjab from 8th -9th March 2014.
- The National conference at School of Pharmaceutical Sciences, Bahra University, wakhnaghat ,H.P. from 29th -30th May 2014.
- The 29th National conference of IPGA at School of Pharmaceutical Sciences, Lovely Professional University, Phagwara ,Punjab from 22nd -23rd Nov'2014.
- "AICTE Sponsored 6days Online STTP(Short Term Training Program) on the topic "Target Based Drug Design Strategies
 Utilising CADD(Computer Aided Drug Design)tools and Ecofriendly Microwave assisted Green Synthesis" organised by IndoSoviet Friendship College of Pharmacy, Moga, Punjab from 27th April to 2nd May 2020.

<u>Detailed List of Publications (National /International)/Books/Poster/Oral Presentations.(Upto Jan '2020)</u>
Pharmacy Text Books Published

S.N.	Book Title	Date	Publisher	Status
1.	A Text book of Environmental Science by Manoj Katual, as per PCI Syllabus for B.Pharmacy IInd semester students.	Oct, 2018	R. Narain Publishers & Distributors, Agra, India. www.rnpd.in, ISBN:978- 81-938313-4-2.	Published
2.	Computer Application in Pharmacy by Manoj Katual, Pharmacy practical manuals as per PCI Syllabus for B. Pharmacy IInd Semester students	Dec '2018	R. Narain Publishers & Distributors, Agra, India, <u>www.rnpd.in</u> , ISBN: 978- 93-88756-21-1.	Published
3.	An Introduction to Pharmaceutical Jurisprudence by Manoj Katual, as per PCI Syllabus for B. Pharmacy 5th Semester students	March 2019	R. Narain Publishers & Distributors, Agra, India, www.rnpd.in, ISBN:978- 93-88756-57-0	Published
4.	Pharmaceutical Biotechnology by Manoj Katual, as per PCI Syllabus for B.Pharmacy 6th Semester Students	Sept 2019	R. Narain Publishers & Distributors, Agra, India, <u>www.rnpd.in</u> , ISBN: 978- 93-88756-68-6	Published
5.	Cosmetic Science by Manoj Katual, as per PCI Syllabus for B.Pharmacy 8 th Semester Students	Oct 2019	Birla Publishers & Distributors, M.P, India	Under Process, Partially Completed.
6.	Dietary Supplements and Nutraceuticals by Manoj Katual,as per PCI Syllabus for B.Pharmacy 8 th semester	Nov 2019	Paging Publishers, Newdelhi	Under Process, Partially Completed.
7.	Novel Drug Delivery Systems by Manoj Katual, as per PCI Syllabus for B.Pharmacy 7 th semester	May 2020	R. Narain Publishers & Distributors, Agra, India, www.rnpd.in.	Published

Research Articles Published S. Title Date Published in Status N. A Comparative study of Okra gum on controlled release Dec. International journal of Drug delivery, 6 (2014) Research kinetics and other formulation characteristics of Tramadol 2014 339-350. ISSN: 0975-0215 Article HCl. extended release matrix tablets Vs Synthetic Impact Factor: 1.02 published hydrophilic polymers Development and Validation of UV-Spectrometric method March American Journal Pharmtech Research (AJPR). Research 2015;6(1), ISSN: 2249-3387,197-203 for Estimation of Ibuprofen in Bulk and Marketed Tablets. '2016 Article Published Drug delivery to CNS; various approaches for Parkinson's March International Journal of Recent Scientific Research disease Management: an update 2016 Research (IJRSR) Vol. 7, Issue, 3, pp. 9148-Article 9155. I.F-5.6, ISSN: 0976-3031 Published Eurasian Journal of Analytical Chemistry ISSN: Development and Validation of Spectrophotometric January Research

	Method for Estimation of Levosulpiride in Bulk and Tablet Dosage Form	, 2017	1306-3057 2017 12(3):265-273 (International Journal)	Article Published
12	Initial management of frozen addict: an update	April 2016	International journal of current research Vol. 8, issue, 04, pp.29606-29624,ISSN: 0975- 833x, (IJCR)	Research Article Published
13	Formulation, optimization and <i>in-vitro</i> evaluation of metronidazole 500mg floating tablets for the treatment of <i>Helicobacter pylori</i> induced gastric inflammatory disorder.	April 2017	Research Article , World Journal of Pharmaceutical Research. (WJPR), IF:7.5,International Journal	Research Article Published
14	Prospective validation for pharmaceutical industry water system	January 2016	World Journal of Pharmaceutical Sciences. ISSN: 2321 3086. (International Journal)	Research Article published
15	Formulation development, optimization and <i>in-vitro</i> evaluation of ginger root extract (5% w/v 6-gingerol) 300mg timed release veggie capsules.	April 2017	American Journal of PharmTech Research (AJPTR) ISSN:2249-3387 Global Impact Factor: 0.9832 IBI Impact Factor 3.59 Index Copernicus Value: 69.15	Research article published
9.	Formulation and <i>In-Vitro</i> Evaluation of Solid Lipid Nanoparticles Containing Levosulpiride	Sept 2017	The Open Nanomedicine Journal, 2017, 04, 3-00.Bentham sciences, www.benthamopen.com/TONMJ/ DOI: 10.2174/187593350110401	Research article published
10.	Development and Validation of UV Spectrophotometric Method for Estimation of Catechin in <i>Acacia catechu</i> Methanolic Extract against Marker Compound	Oct 2017	Journal of Pharmaceutical, Chemical and Biological Sciences, ISSN: 2348-7658, JPCBBG ,Impact Factor (GIF): 0.701, Impact Factor (SJIF): 3.905 September- November 2017; 5(3):238-345 Published on: October 29, 2017	Research article published
11	Study of Haloperidol induced behavioural & bio-chemical abnormalities in rats: A novel tool in evaluation of antiparkinsonian agents.	Nov'20 17	International Journal of Pharmacology and therapeutics. (IJPT) ISSN 2249 – 6467.Volume - 7,issue -3,Dec 2017	Research article Published
12	Formulation development and evaluation of nano- structured lipid carriers of ropinirole hydrochloride for the invasive treatment of parkinson's disease through intra- nasal delivery.	April '2017	Critical Review in Pharmaceutical Sciences.(International) ISSN 2319-1082, Volume 6, Issue 1, 2018.	Published
13	Application of QbD Approach to development and validation of a Novel UV-Spectro photometric method for Quantitative estimation of Quetiapine Fumarate in bulk and Pharmaceutical Formulation (Tablets).	Feb'20 18	Saudi Journal of Medical and Pharmaceutical Sciences, ISSN -2413-4910, Vol-4, Issue-2 (Feb, 2018: 249-256.	Published
14.	Formulation development, characterisation and in-vitro evaluation of Glucosamine HCl 500mg loaded oral S.R. Capsules in chronic osteoarthritis management.	May 2017	World journal of pharmacological Research and technology, ISSN: 2347- 4882.Volume .5.Issue 2	Published
15	Formulation development, characterization and <i>in-vitro</i> evaluation of nano- lipid carriers of Ropinirole Hcl for persistent Parkinsonian management.	Jan 2019	Trends in Drug Delivery Systems (TDD), STM Journals 2019. (UGC approved), eISSN:2394- 7268	Published
16	Formulation and stastistical evaluation of nano-structured lipid carriers of Ropinirole HCl for invasive treatment of Parkinson's Disease	Jan 2019	International Multidisciplinary Research Foundation, IMRF Journal of life sciences, www.imrfjournals.in, International Research Journal, Volume -1, Issue-3, ISSN:2346-8621	Published
17	Formulation development, optimization, characterization And in-vitro evaluation of nano-structured lipid carriers of Ropinirole hcl for invasive treatment of Parkinson's disease.	April 2020	Published in <i>Studies in Indian Place Names</i> (SIPN) with ISSN 2394-3114, Vol. 40 Issue 71 Month <i>March</i> Year 2020, Impact Factor 6.30 The journal is indexed, peer reviewed and listed in UGC Care.	Published

Review Articles Published

	Review Articles I ublished					
S.N.	Title	Date	Published in	Status		
01	Oral Insulin; A Promising Carrier	Feb,2012	International Journal of Natural Product, ISSN 2249-	Published		
			6335 2012, Special Issue 1:201			
02	GlucosamineHCl Timed Release Tablets A	Feb,2012	International Journal of Natural Product, ISSN 2249-	Published		
	boon for osteoarthritis		6335 2012,Special Issue 1:16			
03	A better way to treat dyskinensia with some	Sep'2015	International journal of business management and	Published		
	ethenic plants:		scientific research Vol : 9, www.eminencejournal.com			
	A review		ISSN: 2394 – 6636			
04	A review on Alzheimer's disease and	March, 2015	Journal of advance research and methodology,	Published		
	various non-invasive		JARM- Vol.1 (1)			
	Approaches used to target CNS.					
05	A review on Non-destructive quantification	Aug' 2015	Journal of Harmonized Research in Pharmacy 4(3)	Published		
	for pharmaceutical Tablets: A nextgen in		2015,227-245,ISSN 2321-0958, JOHR, Impact			
	Pharmaco-economics		Factor: 2.655			
06	Magic Gold Bullet: A Promising Carrier for	Oct'2015	World journal of pharmacological	Published		
	Anti-Cancer Agents: An Overview		Research and technology, ISSN: 2347-4882.			
07	Poly-pharmacological effects of green	Dec' 2015	World Journal of Pharmaceutical and Medical	Published		

	blood therapy; An update		Research. WJPMR, ISSN 2455-3301, WJPMR 2016,2(1), 10-21	
08	An investigative & Explanatory Review on Use of milk as a Broad-spectrum Drug carrier for improvement of Bioavailability & patient Compliance	Jun'2016	Journal of Young Pharmacist, JYP,Vol-8, issue-2, Apr-Jun 2016,ISSN:0975-1483	Published
09	Future prospectives of nano onions: a review	March, 2016	International journal of current medical And pharmaceutical research. ISSN: 2395 – 6429, (vol. 2, issue,3, pp.222-234,) (IJCMPR)	Published
10	A descriptive review on various lipids and techniques used in formulations of solid lipid nanoparticles.	December 2016	International Journal of Drug Delivery, Vol-8, No-3(2016) ISSN: 0975-0215, I.F-1.02	Published
11	Novel Approaches for Schizophrenia disease management: An update	March, 2016	Indo-American journal of Pharmaceutical Research, 2016:6(03), ISSN: 2231-6876,Pp 4742-4758.	Published
12	The crucial role of H.R. managers in Pharmaceutical industry in competitive scenario: An update	Jan,2017	Critical Reviews In Pharmaceutical Reviews.(International Journal)	Published
13	Essentiality of Environmental Management Education in Academic Curriculum: A Need of Time	Jan,2017	World Journal of Pharmaceutical Research(WJPR) International Journal, ISSN: 2347-3002.Impact Factor 7.523	Published
14	Need For Human Value Based Education in Current Competitive & Technical Scenario: An Overview	March, 2017	Journal of Social Science Research. ISSN: 2321-1091, Impact Factor 1.13	Published
15	Innovation in Pharma sector: The impact of IPR (Product Patent) in Indian Scenario: An overview.	April, 2017	International Journal of Recent Advances in Multidisciplinary Research, (IJRAMR) ISSN-2350-0743, Jan 2017.	Accepted
16	Enpowerment of HRD & Economy in pharma sector through a strong patenting system: an update.	April, 2017	International Journal of Humanities and Social Science Invention (IJHSSI), ISSN 2319-7722.	Published
17	Treatment of Neuro-degenerative Disorders Through Percutaneous Route: A Review	March, 2017	Journal of drug delivery research. (JDDR) ISSN 2319-1074. Volume-6,Issue –I,2017	Published
18	Drug delivery to CNS through Skin: a novel approach.	March, 2017	International journal of pharmacology and therapeutics, (IJPT) ISSN 2249 – 6467, Volume 7, Issue 1, 2017.	Published
19	Novel strategies for the treatment of Colon Cancer with Nano-particulate drug delivery systems: A review		Critical Review in Pharmaceutical Sciences.(International) ISSN 2319-1082, Volume 6, Issue 1, 2017. www.earthjournals.in	Published
20	Novel frontiers in naso-brain drug delivery; challenges and opportunities: an outlook.	March, 2017	World Journal of Pharmaceutical Research.(WJPR),Impact factor;7.5. International Journal	Published
21	A novelistic approach in Brain targeted drug delivery system: an update.	March, 2017	International Journal of Pharmacology and therapeutics. (IJPT) ISSN 2249 – 6467, Volume 7, Issue 2, 2017.	Published
22	Novelistic frontiers in fusogenic liposomal drug delivery system: an outlook.	April 2017	American journal of Pharmacy and Health Research.(International Journal) ISSN 2321–3647,IF: 0.678	Published
23	Novelistic strategies to cross CNS barriers: an update.	April 2017	Critical Review in Pharmaceutical Sciences.(International) ISSN 2319-1082, Volume 6, Issue 2, 2017.	Published
24	Novel strategies in glioblastoma management: An outlook	April 2017	International Journal of Pharmacology and therapeutics. (IJPT) ISSN 2249 – 6467, Volume 7, Issue 3, 2017.	Published
25	Recent advancements in Parkinson's management.	April 2017	Journal of drug delivery research. (JDDR) ISSN 2319-1074. Volume-6, Issue –2, 2017	Published
26	Aptamers; A Potential Nano-Carrier: An Update	Dec'2017	World Journal of Pharmaceutical Research(WJPR) International Journal, ISSN: 2347-3002.Impact Factor 7.523	Published
27	Persistent management of Parkinson's disease with <i>withania somnifera</i> : an outlook.	Nov'2017	World Journal of Pharmaceutical Research(WJPR) International Journal, ISSN: 2347-3002.Impact Factor 7.523	Published
28	Various approaches in nano-structured lipid carriers of ropinirole hydrochloride in parkinson's disease treatment: a recent update.	Jan 2018	Critical Review in Pharmaceutical Sciences.(International) ISSN 2319-1082, Volume 7, Issue 1, 2018.	Communicat ed
29	Nano-Carriers: An emerging trend for brain tumor treatment: A frontier look	April 2017	World Journal of Pharmaceutical Research(WJPR) International Journal, ISSN: 2347-3002.Impact Factor 7.523	Published
30.	Recent prospective in ethosomal drug delivery system for the treatment of	March 2017	World Journal of Pharmaceutical and Medical Research, WJPMR, ISSN -2455-3301, Volume-	Published

	neurobehavioural dysfunctions.		3,Issue-3, 136-144. Impact factor-4.103	
31.	Novel Frontiers in Buccal Patches: A recent Update	Oct'2018	Journal of Applied Pharmaceutical Sciences & Research. JAPSR, E-ISSN :2581-5520, 1(3):8-19	Published
32.	Current Prospective of NLCs in Parkinson's Disease: An Outlook	Nov' 2018	Research & Reviews: A Journal of Drug Design & Discovery (RRJoDDD), ISSN: 2349-9036, Volume :5, issue:2, 18-29, STM Journals 2018. (UGC approved)	Published
33	Novel frontiers in intra-nasal drug delivery of nanocarriers for Parkinson's treatment: A recent update.	Feb'2019	Pharmaspire: International Research Journal, ISSN-2321-4732, Volume10, Issue 04,SPER publications.	Published
34	Challenges and Opportunities for Covid-19 Management: An Outbreak	April 2020	Journal of Pathology, Communicable diseases and Preventive Medicines Volume 2 Issue 1, Mantech Publications 2020	Published
35	Review on brain targeted drug delivery system: an outbreak	April 2020	Published in Tathapi with ISSN 2320-0693,Vol. 19 Issue 8 Month April Year 2020,Impact Factor 5.60 The journal is indexed, peer reviewed and listed in UGC Care.	Published
36	A review on management of diabetes mellitus through transdermal patch of repaglinide: an update.	April 2020	Published in Studies in Indian Place Names (SIPN) with ISSN 2394-3114, Vol. 40 Issue 71 Month March Year 2020, Impact Factor 6.30, The journal is indexed, peer reviewed and listed in UGC Care.	Published
37	Nano-technological developments in tuberculosis: management: an update	April 2020	Published in Tathapi with ISSN 2320-0693, Vol. 19 Issue 5 Month April Year 2020, Impact Factor 5.60, The journal is indexed, peer reviewed and listed in UGC Care.	Published
38	Current updates on parkinson's disease: a neuro-behavioural dysfunction related to loss of neurons in mid-brain.	April 2020	Published in Purakala with ISSN 0971-2143, Vol. 31 Issue 15 Month April Year 2020, Impact Factor 5.60 The journal is indexed, peer reviewed and listed in UGC Care.	Published
39	Nano-technological drug delivery systems: a novel pathway for treatment of critical complications.	April 2020	Published in Purakala with ISSN 0971-2143 (12) Vol. 31 Issue 12 Month April Year 2020, Impact Factor 5.60, The journal is indexed, peer reviewed and listed in UGC Care.	Published
40	Surface tailored novel nano-carriers for naso-brain delivery: a break through.	April 2020	Published in Tathapi with ISSN 2320-0693, Vol. 19 Issue 5 Month April Year 2020, Impact Factor 5.60 The journal is indexed, peer reviewed and listed in UGC Care	Published
41	A review on fast dissolving tablets: a novel approach.	April 2020	Published in Tathapi with ISSN 2320-0693, Vol. 19 Issue 5 Month April Year 2020, Impact Factor 5.60 The journal is indexed, peer reviewed and listed in UGC Care.	Published
42	Review on brain targeted drug delivery system: an outbreak.	April 2020	Published in Tathapi with ISSN 2320-0693, Vol. 19 Issue 8 Month April Year 2020, Impact Factor 5.60 The journal is indexed, peer reviewed and listed in UGC Care.	Published
43	Medicated chewing gums as novel drug delivery: challenges And opportunities.	April 2020	Published in <i>Studies in Indian Place Names (SIPN)</i> with ISSN 2394-3114, Vol. 40 Issue 71 Month March Year 2020, Impact Factor 6.30, The journal is indexed, peer reviewed and listed in UGC Care	Published
44	A brief review on Parkinson's disease: a central nervous System disorder.	April 2020	Published in <i>Studies in Indian Place Names (SIPN)</i> with ISSN 2394-3114, Vol. 40 Issue 71 Month March Year 2020, Impact Factor 6.30, The journal is indexed, peer reviewed and listed in UGC Care	Published
45	Nano-Technological Developments In Tuberculosis Management: An Update	April 2020	Tathapi (UGC Care Journal) ISSN:2320-0693 Vol- 19-Issue-05-April-2020	Published
46	Current trends and epidemiology on novel covid-19: Pandemic	May 2020	Journal of Education Technology in Health Sciences"Journal JETHS, Vol.7 Issue.1	Published
47	A Comprehensive Review on COVID-19 (Corona virus) Pandemic – Challenges and Opportunities with Special Reference to Public Health Domain	Sept 2020	Int. J. Pharm. Sci. Rev. Res., 64(1), September - October 2020; Article No. 37, Pages: 203-211	Published
48	A comprehensive current updates on plague: risk & management of pandemic.	Sept 2020	Journal of Interdisciplinary Cycle Research, ISSN NO: 0022-1945	Published
49	A comprehensive recent updates on parkinson's disorder mitigation: risk & benefits.	Sept 2020	Journal of Interdisciplinary Cycle Research ISSN NO: 0022-1945	Published
	benefits.	Case Studie	 s Published	

S.N.	Title	Date	Published in	Status
1.	Trade Unionism at NALCO smelter plant	March 2017	International Journal of Business Management and	Accepted
1.	Angul, Odisha: A jewel in the crown.		Scientific Research, (ISSN 2394-6636), (Volume 25:	
			Issue 1), SRIF-Impact Factor: 2.643.	

2	Quality of work life among employees of	Feb	International Journal of BioSciences, Healthcare	Published
	LIC of India, Sambalpur branch office,	2017	Technology and Management (IJBHTM) ISSN: 0974-	
	Odisha		3987.Govt.of India.	
3	Labour welfare scheme with special	January	International Journal of Information Research and	Published
	reference to Emami paper mill Pvt. Ltd in	2017	Review (IJIRR), ISSN: 2349-9141, Impact Factor:	
	Balasore district, Odisha		4.251.	

Abstracts of Poster presentation/Short Communications Published SN Title Date Published in Status 01 Oral Insulin; A Promising Carrier Feb.2012 Souvenir of National Conference on "Challenges. Published 02 GlucosamineHCl Timed Release Tablets A Feb,2012 Opportunities and Future Vision of Indian Scenario of Published Pharmaceutical Education and Research" at Rayat boon for osteoarthritis Bahra Institute of Pharmacy - Hoshiarpur on Feb'11-12, 2015. 06 Nanotechnology: A ray of hope in treating brain Souvenir of National Conference on Innovation in Published tumor(PS/P/50) Engineering, pharmaceutical, legal and Management Nanotechnology: An intelligent key to penetrate Sciences.(IEPLMS 2014), Organised by Bahra 07 May, 2014 Published University, Shimla hlls, Waknaghat, H.P. India blood brain barrier(BBB) (PS/P/58) Novel Treatment methods and drug delivery for 08 Published colon cancer (PS/P/68) 09 Buccal patches: A recent trend in dental Published therapy(PS/P/71) 10 Formulation and development of Timed Aug ,2010 Souvenir of AICTE Sponsored National seminar on Published Release Capsules(PH-132) Recent trends in Pharmaceutical Research, Organised by M.M.College of Pharmacy, MM university, Mullana, Ambala, Haryana Souvenir of National seminar on Recent Advances in Published 11 Formulation and evaluation of Famotidine Oral Controlled Drug Delivery System, Organised by chewable tablets (PC-04 ASBASJSM college of Pharmacy ,Bela, Ropar, 12 Design and evaluation of Metro- nidazole Published floating tablets (PC-05) Oct,2011 Punjab. 13 Nitroglycerine Transdermal Patch: A novel Published approach.(PC-06) A study on Formulation Development of Film 14 Published coated solid dosage forms of Co-amoxiclav and Souvenir of National seminar on Advancement, stability of Lactic acid bacillus (P-103) Challenges & Opportunities in Pharmaceutical Parkinson's disease Management: Challenges research, Organised by ASBASJSM college of 15 Published Pharmacy, Bela, Ropar, Punjab. and novel therapeutic approaches (p-054) Formulation development and Optimisation of 16 Published Oct. 2013 Simvastatin solid dispersion of β and γ cyclodextrin inclusion complexes(p-061) 17 Approaches to transport therapeutic agents Published across blood brain barrier 18 Fabrication and evaluation of oro-dispersible Published pectin-HPMC 15LV films of Propanolol hydrochloride(PCEU15) 19 Chronotherapeutic drug delivery of pectin, Published guargum and okra gum controlled release colon targeted directly compressed Propanolol HCl Souvenir of 1st Annual conference of Association of Pharmaceutical Teachers of India, Kurukshetra matrix tablets and in-vitro evaluation Aug '2014 University, Haryana state branch. Haryana (PCEU16) 20 Formulation and evaluation of oro-dispersible Published (APTI: An authorized body of Govt.of India) tablets for anti-depressent drug Citalopram Hydrobromide.(PCEU17) A study on HPMC K4M and carbopol 940 21 Published based amoxicillin trihydrate floating tablets and in-vitro evaluation for the treatment of H. Pylori infection.(PCEU19) 22 Improvement of Dissolution profiles of water Published insoluble drug Itraconazole using crystalline and amorphous carrier. (PCEU20) 23 Formulation development, optimization and Published study on drug release kinetics of Tramadol HCL extended release matrix tablets using Okra Gum Published 24 Formulation development ,optimization of Aceclofenac colon targeted Matrix tablets for Souvenir of 3rd Annual Conference of Society of IBD and in-vitro evaluation. March 2014 Pharmaceutical Education and Research at LPU, Formulation and evaluation of Fast dispersible Phagwara, Punjab Published 25 tablets for anti depressent drug Citalopram HBR Formulation development and study on drug (SPER: An authorized body of Govt.of India) 26 Published release kinetics of Tamarind kernel powder

	based colon targeted matrix tablets of			
	Propanolol HCl and in-vitro evaluation			
27	Formulation development ,optimization of			Published
	Ondansetron sublingual tablets and study on			
28	drug release kinetics Formulation development and evaluation of			Published
20	Lansoprazole delayed release capsules by			1 donsiled
	fluidized bed processor]		
29	Formulation development of oro-dispersible		Souvenir of 29th Annual Conference of Indian	Published
1	film of propanolol Hydrochloride and study on drug release kinetics		Pharmacy Graduates' Association, at LPU phagwara,	
30	Formulation development of Mouth dissolving	-	Punjab.	Published
30	tablets of citalopram hydrobromide and in-vitro	Nov'	IPGA: An authorized body of Govt.of India)	1 donsiled
	evaluation.	2014		
31	A study on release kinetics and release profile			Published
	of Tramadol HCL extended release tablet using HPMCK4M and HPMCK100M			
32	Effect of HPMC E15LV premium polymer and	-		Published
	pectin on Chitosan based colon targeted tablets			T dononed
	and in-vitro evaluation			
33	A study on fast disintegrating pectin/HPMC			Published
	E15LV film on propanolol HCl and in-vitro evaluation			
34	A betterway to treat dyskinensia with some			Published
	ethenic plants: a Review]		
35	Nanoparticles for Alzheimer's disease			Published
37	Novel micro-particulate drug delivery system		Souvenir of 1st Annual Convention of APTI(Punjab	Published
38	for Parkinson's therapy. Non-destructive quantification: a new era In	-	Branch) sponsored by Punjab Technical University	Published
36	pharmaco-economics		on "Advancements, Opportunities and Future Vision	1 ublished
39	Gold nanoparticles: a promising carrier for		of Indian Scenario of	Published
	anticancer drugs	April, 2015	Pharmaceutical Education and Research" at Rayat	
40	Ocular drug delivery and nanotechnology: an		Bahra Institute of Pharmacy – Hoshiarpur on 3rd & 4th April, 2015.	Published
41	update Nanodrug delivery in biomedical applications:	-	(APTI: An authorized body of Govt of India)	Published
42	Advancements in neuro degenerative disorders	1		Published
	therapy by non-invasive nano drug delivery			
43	Novel prospects in nasal drug delivery system			Published
44	Niosomes: a versatile nano carriers in current			Published
45	scenario Nanoplatforms: An emerging theragnostic for			Published
73	brain tumor.(DRDPTO-14-502)			1 donsiled
46	Formulation,optimization and in-vitro			Published
	evaluation of Aceclofe-nac colon targeted	A 11 2014		
47	matrix tablets for IBD.(DRDPTO-14-504) Solid Dispersions: A breakthrough approach for	April, 2014	Souvenir of International Conference on "Drug Resistance, Development, Pharmaceutical	Published
47	the enhancement of solubility (DRDPTO-14-		Technology & Outcomes" sponsored by Punjab state	Fublished
	507)		council for science & Technology at Chitkara	
48	Nanoparticulate drug delivery to colon: An		College of Pharmacy, Chitkara University, Punjab on	Published
	edge over conventional approaches. (DRDPTO-		11-12 April ,2014	
49	14-509) Novel approaches for nasal drug delivery	1		Published
77	system: challenges and opportunities			1 donsiled
	(DRDPTO-14-511			
50	Nanotechnology-A boon to cosmeceutical			Published
51	industry (DRDPTO-14-521)			Dublished
51	Nanotechnology: Smart way to cross blood brain barrier. (DRDPTO-14-195).			Published
54	Development and Validation of			Published
	Spectrophotometric Method for Estimation of			
	Levosulpiride in Bulk and Tablet Dosage Form	-	Scientific Abstracts of "30th Annual conference of	Diri
55	Aquasomes: A Novel Approach for the Delivery of Protein/ Peptide Based Drugs.	Oct'2015	Indian Pharmacy Graduates Association" supported IPGA Welfare trust, Theme: Roll of Pharmacist In	Published
	Abstract no-17	360 2013	Digital Era: 31st October 2015, subrotopark, Newdelhi.	
56	Transferosomes: Mediated Transepidermal and	1	,,	Published
	Systemic Delivery of Corticosteroids in			
	Asthmaic Medications.		(IPGA: An authorized body of Govt. of India)	
57	Abstract No-20 DCTS: A novel tool for TDD. Abstract No-21	1	(11 G.1. 7 in audiorized body of Govt. of fildia)	Published
58	Tecto Dendrimers: A Novel Tool for Targeted	1		Published
		1		

	David Delivious, Abstract No. 22			
59	Drug Delivery. Abstract No-23 LDC: Recent Advancements In Drug Delivery. Abstract No-24			Published
60	Ethosomes: A Novel Approach in TTS. Abstract No-26			Published
61	Recent Advancements In HAT Management. Abstract No-32			Published
62	Nanocarriers: A Transdermal Drug Delivery System. Abstract No-35			Published
63	Nanocochleates: A novel approach in lipoidal drug delivery. (PRPP-127).			Published
64	Nanodiamonds as a novel drug delivery systems.(PRPP-129)			Published
65	Modern approaches in the treatment of Migrane:Nano drug delivery.(PRPP-130)		National Conference on "Emerging Trends in	Published
66	Polypharmacological activity of Moringa:A miracle plant.(PRPP-146).		Pharmacological Research & Pharmacy Practice", October 16-17, 2015 at University school of	Published
67	NLC: Recent advances in drug delivery.(PRPP-158)		Pharmaceutical Sciences (USPS) ,Rayat-Bahra University, Mohali, Supported by Society of	Published
68	Current developments in Schizophrenia Management. (PRPP-168).		Pharmaceutical Education & Research (SPER).	Published
69	Frozen Addict: An extra ordinary medical mystery (PRPP-171).	Oct'2015	(SPER : An authorized body of Govt. of India)	Published
70	Carbon fullerence: Afuture Carrier for drug delivery system.(PRPP-172).			Published
71	Dis-kinensia management with some herbal plants; A review (PRPP-197).			Published
72	Current developments in trans-ungual drug delivery systems: A review. (PRPP-220)			Published
73	Future perspectives of Nano-Fibers as MTPs(PRPP-105)			Published
74	A novel herbal approach in treatment of SUI.(PRPP 106)			Published
75	Nano-Onions:Apotential carrier for targeted drug delivery(PRPP-107)			Published
76	Virosomes: A novel strategy for targeted drug delivery. (PRPP-118)			Published
77	Recent advancements in Transferosomal drug delivery. (PRPP-119)			Published
78	Solid-lipid nanoparticles: Anovel approach in targeted drug delivery systems (PRPP120)			Published
79	Pharmacosomes:An emerging Vesicular system (PRPP122)			Published
80	Nanoneedles:A novel tool for local drug delivery (PRPP 126)			Published
81	Nanotechnology in the treatment of inflammatory bowel diseases: A review(PP-08)		Souvenir of National Conference on "Recent Advances in Green Nano Technology" (RAGNT	Published
82	Nanotechnology in targeted treatment of Pancreatic cancer: A review(PP-09)		2016) September 29-30, 2016 at University school of Pharmaceutical Sciences (USPS) ,Bahra University,	Published
83	Future prospective of nano structured lipid carriers (NLC) in transdermal formulations(PP16		Shimla Hills, H.P, Supported by Indian Council of Medical Research, (ICMR) New delhi & Society of	Published
84	Drug delivery to CNS through percutaneous route: challenges & opportunities.(PP-25)		Pharmaceutical Education & Research (SPER).	Published
85 86	Nanopatch: Neddleless vaccination (PP-27) Lipid-Drug-Conjugate(LDC) nanoparticles as	Sept. 2016		Published Published
87	novel carrier system: An update (PP-28) Aptamers: A potential nano carrier: An		(SPER : An authorized body of Govt. of India)	Published
	update.(2nd prize in poster competition) (PP-37)			
88	Current approaches to the treatment of Neurobehavioral features.(PP-21)			Published
89	Nano-liposomes in intranasal drug delivery for treatment of neuro-degenerative disorders: An			Published
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103	citrullus lanatus seeds: a break through. Pharmaceutical lollipops: opportunities and			Published
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123	Phytosomes: a novel tool in herbal technology.(LS-08)	April 2019	Technology" CAIST on April 18,2019 at Sant Baba Bhag Singh University, Jalandhar-144030.	Published
124	Niosomes: a potential vesicular drug delivery system.(LS 12)			Published
125	Nano-cochleates: a novel carrier for targeted drug delivery. (LS10)			Published
126	Electrosome: new era in novel drug delivery.(LS09)			Published
127	Lipid based novel nano-carrier drug delivery system for Parkinson's disease treatment.	February 2020	ICONICA, International Conference at Punjab Univeristy, Chandigarh	Published
128	Paradigm For Biosimilars: A Novel Pathway For Drug Development.	March 2020	National Seminar on "Current Challenges & Prospects Of Biopharmaceuticals: Biologics & Biosimilars" on 6 th march 20202, At Punjab Institute of Technical Education, Department of Pharmacy, Ludhiana, Punjab	Published
129	Novel Nanotechnological Developments In Parkinsonian Management	February 2020	National Conference on "Quality By Design: Vital Necessity For Contemporary Epoch" on 7 th &8 th Feb 2020, Laureate Institute of Pharmacy, Jawalamukhi, Kathog.H.P	Published

Oral Presentation Abstract Published

S.N.	Title	Date	Published in	Status
01	Need for value education in current scenario.	Feb,2012	Souvenir of Punjab University, Chandigarh sponsored National seminar on "Perspectives in Teachers education" at RBCE, Hoshiarpur, Punjab.	Published
02	Novel micro-particulate drug delivery system for Parkinson's therapy.	April, 2015	1st Annual Convention of APTI (Punjab Branch) sponsored by Punjab Technical University on "Advancements, Opportunities and Future Vision of Indian Scenario of Pharmaceutical Education and Research" at Rayat Bahra Institute of Pharmacy – Hoshiarpur on 3rd & 4th April, 2015.	Published
03	Formulation development of transdermal patches of ropinirole hydrochloride for persistent mitigation of Parkinson's disease. Oral presentation (code no.LS 06) 1st Prize in Best Oral Presentation.	April 2019	Govt of India NITI Aayog sponsored National Conference on "Contemporary Advancements and Innovations in Science and Technology" CAIST on April 18,2019 at Sant Baba Bhag Singh University, Punjab.	Published
04	Opportunities & Challenges of nano- carriers in mitigation of CNS Disorders" 1st Prize in best Oral Presentation.	August 2020	National Conference on "Emerging Trends in Pharmaceutical, Microbiology and Medical Sciences vis-à-vis their interventions for Sustainability of Human Health" (NCET-PMMS-2020) 21st & 22nd August 2020, organized by School of pharmacy, Career Point University, Hamirpur, Himachal Pradesh.	Conducted

Expert/Extention/Guest lecture delivered.

Expert/Extention/Guest lecture delivered.								
S.N.	Title	Date	Delivered at	Status				
01	Rewarding career in Pharmacy	Feb,2012	Career Counseling seminar at professionalz coaching	Delivered				
			centre, Hoshiarpur, Punjab.					
02	Novel applications of biotechnology in	Nov, 2017	At Rayat-Bahra Engg.& Nano-technology School,	Delivered				
	current era.		Hoshiarpur, Punjab					
03	An Urge for Value based Education in	Nov 2017	At Rayat-Bahra College of Education, Hoshiarpur,	Delivered				
	recent Perspectives.		Punjab.					
04	Drug Abuse and Drug Addiction:	August 2018	At Rayat-Bahra Institute of Engg.& Nano-technology	Delivered				
	Challenges		, Hoshiarpur, Punjab					
05	Bio-Technology in Human welfare	Sept 2018	At Rayat-Bahra Engg.& Nano-technology School,	Delivered				
			Hoshiarpur, Punjab					
06	Drug De-addiction Awareness among	July 2019	At Rayat-Bahra Institute of Engg.& Nano-technology	Delivered				
	Youth.		, Hoshiarpur, Punjab					
07	National Science Day: Use of Science and	Feb'2020	At Rayat-Bahra College of Education, Hoshiarpur,	Delivered				
	Technology in advanced education system.		Punjab					
	DEPOG CALLE DE CHILD							

PERSONAL PROFILE

Name : Manoj Kumar Katual Father's Name : Mr. Bhagaban Katual Mother's Name : Mrs. Renubala Jee

Gender : Male Date of Birth : 02/08/1982 Age : 37 yrs & 7 months

Marital Status : Married (Having a single child)

Religion : Hindu Nationality : Indian

Hobbies : Listening music, singing, reading books.

Languages Known: English, Hindi, Oriya, (Read, Speak, Write) Bengali & Punjabi (Speak)

Aadhar Card No: 223271666444

STRENGTH

I have excellent leadership skill which I have acquired through a combination of effective communication, delegation and personal interaction. This has helped my team achieve its goal.

PERSONAL SKILLS

> Self motivated, innovative, hard working in nature, dedicated, willing to travel and relocate and ability to learn new things.

➤ Optimistic, Good team worker, Ability to think and act positive.

DECLARATION

I hereby declare that the above-mentioned information is correct up to my knowledge and I bear the responsibility for the correctness of the above-mentioned particulars.

Place:

Signature (Manoj Kumar Katual)

Date:

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