

Details of the research work including references and illustrations

Numerous innovative techniques in the field of **Natural Products Research** have been attempted, which deals with chemical compounds found in nature that usually has a pharmacological or biological activity for use in pharmaceutical drug discovery and drug design. However, commercial production of these biologically active natural products represents an enormous challenge. Despite the challenges, investigation of biological and chemical properties of natural products has not only produced drug for the treatment of several diseases, but has instigated the development of novel therapeutic agents for improvement in therapeutic value of natural products. Nanoformulations significantly improve the performance of drugs in terms of efficacy, safety and patient compliance and overcome the problems by attaching or encapsulating natural products with different nanomaterials. **Current research is focused on design of multifunctional nanosystems.** To mention few which are enlisted below:

- **Green chemistry** method was used for synthesis of metallic nanoparticles (Gold & Silver) by using plant extract as a reducing source, which makes them useful for many biomedical applications like in treatment of cancers (fibrosarcoma), osteoinduction property, antibacterial activity etc.,.
- Development of **novel drug delivery systems (NDDS)** for plant actives and extracts has been attempted. Wherein, the variety of novel herbal formulations like polymeric nanoparticles, liposomes, solid lipid nanoparticles, transferosomes, and ethosomes is formulated for the treatment of gout and various cancers (Skin, liver & glioblastoma).

Moreover, Natural product isolation and extraction is full of many technical hitches. In spite of that plant origin natural products have occupied lead positions as drugs in current pharmacopoeia. Many plant compounds are known to be useful as therapeutics for treating a variety of human ailment. Regardless of this value addition to existing use of phyto-medicines through research and standardization were made. To mention few which are enlisted below:

1. Isolation, characterization and pharmacological screening of biologically active molecules from natural resources (Ex. Higher plants, marine resources etc.) for various therapeutic effects have been studied extensively.
2. Activity guided fractionation of the extracts viz. anti-diabetic, anti-urolithiatic, anti-inflammatory, anti-cancer, anti-arthritic, and wound healing effect etc. were carried out in an attempt to explore the possible lead compounds for further research and developing the promising therapeutically effective drugs.
3. Standardization and quality control of various natural products were carried out and reported which laid the foundation for further development of the formulations in view to commercialize the products.
4. Novel method of extraction and purification of phytoconstituents from botanical materials have been developed.
5. The diuretic and anti-urolithiatic activity of a herbal composition and its use(s) thereof has been systematically studied.

* Methods developed for extraction and purification as well as herbal composition for anti-urolithiatic activity, has advanced the existing paradigms of pharmaceutical research. As a matter of fact both the studies are published in Indian Patenting office for the grant of Patent.

It was instrumental in initiating and continuing the collaborative research with Rhodes University, South Africa as well as RMRC, ICMR, Belagavi. This has profoundly benefitted the research scholars of KLE Academy of Higher Education and Research, Belagavi. Till date 50 M.Pharm and 19 Ph.D. Research Scholars have successfully completed their research work and contributing meaningfully to the society by serving in different industries, academics and practicing the profession at various positions.

To make a special mention the research facilities are developed in the institute by procuring the highly sophisticated equipment such as Atomic Absorption Spectrophotometer (Shimadzu AA-7000), Metabolic cages for animal study, Kubota High speed centrifuge, RT-PCR, Eppendorf Centrifuge through the research funds / grants received from national funding agencies.

In addition, it has brought an outstanding identity and repute to the institute by presenting the scientific research papers in various national and international conferences namely at South Africa, Australia, Thailand etc. also the workshops and conferences organized in the institute have contributed significantly in the up-liftment of the institute as a whole.

Research Grants Received:

Ongoing Projects:

Sl. No	Funding Agency	Title of Grant	Title of Project	Amount Rs.	Date of sanction and Duration
1.	KLE University, Belagavi.	Principal Investigator (Faculty Research Award)	Formulation and evaluation of novel lipid based nanoparticles in the treatment of Male Infertility	1,00,000/-	19 th June 2023 (1 Year)

Completed Projects:

Sl. No	Funding Agency	Title of Grant	Title of Project	Amount Rs.	Date of sanction and Duration
1.	UGC	Junior Research Fellow (JRF)	Phytochemical investigation and Hypoglycemic activity of <i>Cassia glauca</i> and <i>Cucumis trigonus</i>	6,13,800/-	26th April 2008 (3 Years)
2.	ICMR	Senior Research Fellow (SRF)	Phytochemical investigation, diuretic and antiurolithiatic activity of selected medicinal plants	6,15,600/-	1st June 2009 (3 Years)
3.	AICTE	Research Promotion Schemes-A (RPS-A)	Evaluation of traditional Indian medicinal plants for search of potential antiurolithiatic principles	7,23,000/-	26th May 2009 (3 Years)
4.	UGC	Major Research Project	Evaluation of potential botanical and isolation of active compounds for the management of Diabetes mellitus	10,89,600/-	12 th January 2010 (3 Year)

Sl. No	Funding Agency	Title of Grant	Title of Project	Amount Rs.	Date of sanction and Duration
5.	ICMR	Senior Research Fellow (SRF)	Preliminary phytochemical study and antiarthmatic potential of <i>Curcuma zedoaria</i> Rocs root.	6,15,600/-	25 th Nov.2010 (3 Year)
6.	DST	CV Raman Fellowship for African Scientist	The research is undertaken with an objective to evaluate the antitumor and anti-inflammatory properties of the crude hydro –alcoholic extract and fractions of leaves of <i>Xiemia Americana</i> (Olocaceae)	1,60,000/-	Aug 2013 to Nov.2013
7.	KLE University, Belagavi.	Principal Investigator (Faculty Research Award)	Development and evaluation of phytochemicals loaded nanostructured liquid crystalline dispersion for targeting skin cancer.	40,000/-	1 st Jan. 2019 (2 Year)
8.	Government of India, Ministry of Science and Technology, DBT	Principal Investigator	Development and Establishment of Genetic Markers for ‘Jivanti’ – An Ayurvedic Medicinal Material	40,06,000/-	31 st May 2018 (3 Years)
9.	Government of India, All India Council for Technical Education	Principal Investigator	Development and evaluation of quercetin loaded nanostructured liquid crystalline dispersion for targeting skin cancer	16,47,058/-	22 nd Nov. 2019 (3 Years)

Collaborative Research Project ongoing:

Clinical Study Completed/ Initiated:

1. Effect of triphala (polyherbal formulation) in the management of arthritis- a clinical trial

In the preclinical study we have developed Polyherbal formulation of medicinal plants such as seed coat and kernel of *Terminalia chebula* and *Terminalia bellirica* and dried fruits of *Embblica officinalis* and evaluated the antiarthritic activity in female Wistar rats, using Freund's complete adjuvant as an inducing agent. Polyherbal formulation has exerted a significant protective effect against Freund's complete adjuvant-induced paw edema and markedly reduced the swelling of paw in rats.

The triphala (Polyherbal formulation) has shown positive anti-inflammatory results in the clinical study. This study has shown positive outcomes with better therapeutic effects in the Arthritic Patients. We are planning to commercialize this product on large scale for the betterment of the society.

2. Effect of Polyherbal gel in the management of dysmenorrhea.

This study has been initiated in association with **Pamawell LLP Bangalore**, a start-up based company. The hydroalcoholic extract was prepared from different plant materials. The gel was prepared from the extract and characterised for different properties. The Pre-clinical study was done in the female S.D. rats for the determination of therapeutic effectiveness of Polyherbal gel in the management of dysmenorrhea. The gel has successfully reduced the serum level of PG F2 and PG-E2 in the rat model of oxytocin induced writhing response.

We have initiated for the clinical study. We hope that results obtained in this study will be useful for the betterment of women's life. In future planning to commercialize this product on large scale for the betterment of women's.

3. Development of Berberine loaded cubogel for the treatment of Acne

This Berberine loaded cubogel formulation and their efficacy in preclinical study has been proved pre-clinically in animal models (RAT LODER) and for this berberine loaded cubogel Indian Patent has been granted.

We have further extended this project for the clinical study, to assess the efficacy of Berberine loaded cubogel for the topical treatment of Acne. The clinical study is initial stage, we hope positive results in next 6 months. In future planning to commercialize this product.

- **Collabrative research projects with an Industry:**

I have worked on the collabrative research projects with an industry “Amsar Pharma” Goa, for the project entitled “AMS-OIL; A WONDER OIL: Pharmacological and cellular analyses for its extensive therapeutic effects”

- **Area of Research Work:**

I have extensively worked in the field of evaluating active principles from medicinal plants and their pharmacological screening for various biological activities namely antiurolithic, anticancer, antidiabetic, hepatoprotective etc. Recently I am involved in nanoparticle drug delivery system of herbal actives and green nanotechnology. To specify some, we have synthesized gold nanoparticles by green chemistry method and used it as a carrier to target doxorubicin against fibrosarcoma cancer. Similarly, we have formulated curcumin ethosomes and transferosomes, resveratrol and piperine cubosomes to target Melanoma cancer, resveratrol liposomes for hepatocellular carcinoma.

Collaborative Research Projects Completed

- “Phytochemical Investigation and Antidiabetic Activity of Marine Bacteria and *Actinomyces*”, National Institute of Oceanography, Dona Paula, Goa. (Completed).
- “Phytochemical Investigation and Anticancer activity of *Bauhinia racemosa*.” Indian Institute of Integrative Medicine, Regional Research Centre, Jammu. (Completed).
- “Phytochemical investigation and anticancer activity of *Terminalia arjuna*”, Indian Institute of Integrative Medicine, Regional Research Centre, Jammu. (Completed).
- Research collaboration for successful implementation of an ambitious Fellowship Program “C V Raman International Fellowship for African Researchers” launched by DST, Govt. of India by accepting as Host Scientist in India. Dr. Ouedroago Moussa, from Burkina Faso, will be joining under this program for a period of 6 months i.e. August 2013 to January 2014. The research is undertaken with an objective to evaluate the antitumor and anti-inflammatory properties of the crude hydro-alcoholic extract and fractions of leaves of *Xiemia americana* (Olocaceae).

- Research collaboration with University of Rhodes, South Africa on *Pleospilos bolusii* plant to isolation and characterisation of active chemicals present in it.

Publications

1. Patil VS, Harish DR, Vetrivel U, Deshpande SH, Khanal P, Hegde HV, Roy S, **Jalalpure SS**. Pharmacoinformatics analysis reveals flavonoids and diterpenoids from *Andrographis paniculata* and *Thespesia populnea* to target hepatocellular carcinoma induced by hepatitis B virus. Applied Sciences. 2022;12(21):10691. I.F: 2.7
2. Kudatarkar N, **Jalalpure S**, Singadi R, Gurao R, Dinnimath B. Development and Validation of UV-Visible Spectrophotometric Method For Estimation of Chrysin In Bulk Form. Journal of Pharmaceutical Negative Results. 2022 Dec 31:4758-63. I. F. - 1.65
3. Angadi PP, Patil SR, Kodachwadkar S, Satti TA, Gidaballi VN, Patil AK, Patil KS, **Jalalpure SS**. Quality standardization, Phytosome formulation and in vitro antioxidant activity of *Moringa oleifera* Lam: An Ayurvedic medicinal plant. International Journal of Ayurvedic Medicine. 2022;13(4):915-20. I.F 6.719
4. Chimagave S, **Jalalpure S**, Patil A, Kurngi B. Development and validation of stability indicating RP-HPLC method for estimation of hesperidin in nanotransferosome and *Madhiphala rasayana*—An Ayurvedic marketed product. J Appl Pharm Sci, 2022: 1-10. I.F 0.289
5. Kedar T, **Jalalpure S**, Kurangi B, Kazi T. Development and Validation of Stability-Indicating RP-HPLC Method for the Estimation of Fisetin in Novel Cubosomal Nanoformulation: Application to the Marketed Formulation and Selected Plant Extracts. Current Pharmaceutical Analysis. 2022 Dec 1;18(10):983-92. I.F 0.743
6. Rajeshwari HR, Jagwani S, Shenoy PA, Jadhav K, Shaikh S, Mutalik SP, Mullick P, Mutalik S, **Jalalpure S**, Sikarwar MS, Dhamecha D. Thermoreversible gel of green tea extract: Formulation and evaluation for the management of periodontitis. Journal of Drug Delivery Science and Technology. 2022 Oct 1;76:103765.. I.F 5.062
7. Alegaon SG, U V, Alagawadi KR, Kumar D, Kavalapure RS, Ranade SD, Priya A S, **Jalalpure SS**. Synthesis, molecular docking and ADME studies of thiazole-thiazolidinedione hybrids as

antimicrobial agents. Journal of Biomolecular Structure and Dynamics. 2022: 22;40(14):6211-27. I.F 5.235

8. Kudatarkar N, **Jalalpure S**, Kurangi B. Formulation and Characterization of Chrysin Loaded Phytosomes and its Cytotoxic Effect against Colorectal Cancer Cells. Indian Journal of Pharmaceutical Education and Research. 2022 Jul 1:148. I.F 0.843
9. Chimagave SS, **Jalalpure SS**, Patil AK, Kurangi BK. Development and Validation of Stability Indicating UV-Spectrophotometric Method for the Estimation of Hesperidin in Bulk Drugs, Plant Extract, Ayurveda Formulation and Nanoformulation. Indian Journal of Pharmaceutical Education And Research. 2022 Jul 1;56(3):865-72. I.F 0.843
10. Sharma RK, **Jalalpure SS**, Chouhan MK, Deshpande S, Acharya R, Hegde S. Decipher the inhibitory potential of phytocompounds from *Leptadenia reticulata* on dopamine D2 receptor to enhance prolactin secretion. Drug Research. 2022 Apr;72(04):189-96. I.F 0.326
11. Kudatarkar N, **Jalalpure S**, Balekundri A, Kurangi B. Analytical method development and validation for estimation of chrysin in chrysin loaded phytosomes using high performance thin layer chromatography. Journal of Liquid Chromatography & Related Technologies. 2021 Oct 2;44(15-16):760-5. I.F 1.467
12. Shetti P, **Jalalpure SS**. Optimization of a validated UV-spectrophotometric methodology for assessment of apigenin in bulk powder. Indian Journal of Pharmaceutical Education and Research. 2022 Jan 1;56(1):281-6. I.F 0.843
13. Bagali RS, **Jalalpure SS**, Shinde SD, Pawar GR, Sanap GS, Patil SS. Evaluation of In Vitro Antioxidant And In Vivo Hepatoprotective Activity Of *Bauhinia Variegata* Root Ethanolic Extract Against CCL 4 Induced Liver Injury In Rats. Indian Drugs. 2021 Nov 1;58(11). I.F 0.117
14. Kavalapure RS, Alegaon SG, Venkatasubramanian U, Priya AS, Ranade SD, Khanal P, Mishra S, Patil D, Salve PS, **Jalalpure SS**. Design, synthesis, and molecular docking study of some 2-((7-chloroquinolin-4-yl) amino) benzohydrazide Schiff bases as potential Eg5 inhibitory agents. Bioorganic Chemistry. 2021 Nov 1;116:105381. I.F 5.307
15. Kattimani PP, Kamble RR, Nesaragi AR, Kariduraganavar MY, Joshi SD, Dodamani SS, **Jalalpure SS**. Novel pyrazole derivatives via ring transformations: Anti-inflammatory and

antifungal activity studies. Synthetic Communications. 2021 Oct 18;51(20):3125-40. I.F **1.937**

16. Kudatarkar N, **Jalalpure S**, Patil VS, Kurangi B. System biology and chemoinformatics approaches to decode the molecular mechanisms of Chrysin against colon cancer. Journal of Applied Pharmaceutical Science. 2021 Sep;11(09):057-65. I.F **0.281**
17. Shetti P, **Jalalpure SS**. A single robust stability-indicating RP-HPLC analytical tool for apigenin quantification in bulk powder and in nanoliposomes: a novel approach. Future Journal of Pharmaceutical Sciences. 2021 Jun 16;7(1):122. I.F 2.4
18. Kurangi B, Jalalpure S, **Jagwani S**. Formulation and evaluation of resveratrol loaded cubosomal nanoformulation for topical delivery. Current Drug Delivery. 2021 Jun 1;18(5):607-19. I.F 3.758
19. Salve PS, Parchure P, Araujo L, Kavalapure RS, **Jalalpure SS**, Sriram D, Krishna VS, Estharla MR, Alegaon SG. Design and synthesis of new 3-((7-chloroquinolin-4-yl) amino) thiazolidin-4-one analogs as Mycobacterium tuberculosis DNA gyrase inhibitors. Future Journal of Pharmaceutical Sciences. 2021 Dec;7(1):1-0. I.F 2.4
20. Sarkate AP, Dofe VS, Tiwari SV, Lokwani DK, Karnik KS, Kamble DD, Ansari MH, Dodamani S, **Jalalpure SS**, Sangshetti JN, Azad R. One pot synthesis, in silico study and evaluation of some novel flavonoids as potent topoisomerase II inhibitors. Bioorganic & Medicinal Chemistry Letters. 2021 May 15;40:127916. I.F 2.94
21. Peram MR, Patil SR, Kumbar VM, Kugaji MS, Bhat KG, Diwan PV, **Jalalpure S**. An RP-HPLC method for quantitative analysis of linagliptin entrapped in nanotransfersomes and its application to skin permeation studies. Current Pharmaceutical Analysis. 2021 Feb 1;17(2):231-40. I.F **0.743**
22. Alegaon SG, U V, Alagawadi KR, Kumar D, Kavalapure RS, Ranade SD, Priya A S, **Jalalpure SS**. Synthesis, molecular docking and ADME studies of thiazole-thiazolidinedione hybrids as antimicrobial agents. Journal of Biomolecular Structure and Dynamics. 2022 Sep 22;40(14):6211-27. I.F 5.235

23. Soundalgekar S, Naik A, Hullatti K, **Jalalpure S**, Patil S, Gaonkar VP. HPTLC fingerprinting and anti-asthmatic activity of roots of two different sources of Bharangi. Indian Journal of Natural Products. 2021;35(1).
24. Mishra S, Cota D, **Jalalpure SS**. Antibacterial Potential of Quercetin against IBD Bacterial Isolates and Cytotoxicity against Colorectal Cancer. Indian Journal of Natural Products. 2021;35(1). I.F 0.192
25. Naik NS, Samundeeswari S, Chougala BM, Megharaja H, Pawar V, Gudimani P, Shastri LA, Dodamani S, **Jalalpure S**, Sunagar V. 1, 6-Diamino-dihydropyridine and triazolo [1, 5-a] pyridine analogues as a highly promising coumarin scaffold for the development of bacterial infection inhibitors. Chemical Data Collections. 2020 Aug 1;28:100487. I.F 0.217
26. Raj SM, Jamakandi VG, **Jalalpure SS**, Ronad PM. Simultaneous detection and quantification of bronchodilators in pure form and from in-vitro drug release of a novel combinational formulation. Journal of Applied Pharmaceutical Science. 2020 Jul 31;10(8):131-8. I.F **0.281**
27. Kurangi BK., **Jalalpure SS**, A Validated Stability-indicating RP-HPLC Method for Piperine Estimation in Black Pepper, Marketed Formulation and Nanoparticles. Indian Journal of Pharmaceutical Education and Research, 2020, 54, 3 [Suppl]. I.F 0.843
28. Dofe VS, Sarkate AP, Tiwari SV, Lokwani DK, Karnik KS, Kale IA, Dodamani S, **Jalalpure SS**, Burra PV. Ultrasound assisted synthesis of tetrazole based pyrazolines and isoxazolines as potent anticancer agents via inhibition of tubulin polymerization. Bioorganic & Medicinal Chemistry Letters. 2020 Sep 30: 30: 127592. I.F 2.94
29. Jagwani S, **Jalalpure S**, Dhamecha D, Jadhav K, Bohara R. Pharmacokinetic and pharmacodynamic evaluation of resveratrol loaded cationic liposomes for targeting hepatocellular carcinoma. ACS Biomaterials Science & Engineering. 2020 Jul 27;6(9):4969-84. I.F **5.395**
30. Naik NS, Samundeeswari S, Chougala BM, Megharaja H, Pawar V, Gudimani P, Shastri LA, Dodamani S, **Jalalpure S**, Sunagar V. 1, 6-Diamino-dihydropyridine and triazolo [1, 5-a] pyridine analogues as a highly promising coumarin scaffold for the development of bacterial infection inhibitors. Chemical Data Collections. 2020 Aug 1;28:100487. I.F 0.217

31. Chimagave SS, **Jalalpure SS**, Kurangi BK. Preparation and development of polyherbal formulation of medicinal plants for antiarthritic activity. Indian Journal of Health Sciences and Biomedical Research (KLEU). 2020 May 1;13(2):120-126.
32. Rodrigues J, Hullatti K, **Jalalpure SS**, Khanal P. In-vitro Cytotoxicity and in-silico Molecular Docking of Alkaloids from *Tiliacora acuminata*. Indian Journal of Pharmaceutical Education and Research, 2020;54(2s):s295-s300. I.F 0.843
33. Bagali RS, **Jalalpure S.**,Patil S.S.; In-vitro Antioxidant and In-Vivo Hepatoprotective Activity of Ethenolic Extract of Tectona grandis Bark Against CCl₄ Induced Liver Injury in Rats. Pharmacognosy Journal, 2020; 12(3): 598-602 I.F **0.258**
34. Alegaon S, Kashniyal K, Kuncolienkar S, Kavalapure R, Salve P, Palled M, Suryawanshi S, **Jalalpure S.** Synthesis and biological evaluation of some 4-aminoquinoline derivatives as potential antitubercular agents. Future Journal of Pharmaceutical Sciences. 2020;6(1):2. I.F 2.4
35. Jagwani S, **Jalalpure S**, Dhamecha D, Hua GS, Jadhav K. Development and validation of reverse-phase high-performance liquid chromatographic method for determination of resveratrol in human and rat plasma for preclinical and clinical studies. Indian J Pharm Educ Res. 2020 Jan 1;54(1):187-93. I.F 0.843
36. Jagwani S, **Jalalpure S**, Dhamecha D, Hua GS, Jadhav K. A Stability Indicating Reversed Phase HPLC Method for Estimation of trans-Resveratrol in Oral Capsules and Nanoliposomes. Analytical Chemistry Letters. 2019;9(5):711-26.
37. Hegde S, Pai SR, Bhagwat RM, Saini A, Rathore PK, **Jalalpure SS**, Hegde HV, Sugunan AP, Gupta VS, Kholkute SD, Roy S. Population genetic and phytochemical dataset of *Saraca asoca*: A traditionally important medicinal tree. Data in brief. 2019; vol.25, 104173.
38. Dinnimath B. M., **Jalalpure S. S.**, Validation of New Liquid Chromatographic Method for Naturally Isolated Quercetin and Its Commercial Application to Ayurvedic Formulation, Indian Drugs; 2019;56 (6); 46-50. I.F 0.117
39. N Chishti, Jagwani S., D Dhamecha, **S Jalalpure**, MH Dehghan. Preparation, Optimization, and In Vivo Evaluation of Nanoparticle-Based Formulation for Pulmonary Delivery of Anticancer Drug. Medicina, 2019, 55, 294. I.F 2.948

40. Kurangi B, Jalalpure S, **Jagwani S**. A validated stability-indicating HPLC method for simultaneous estimation of resveratrol and piperine in cubosome and human plasma. *Journal of Chromatography B*. 2019, Vol.1122-1123, 39-48. I.F 3.318
41. Peram MR, **Jalalpure SS**, Kumbar VM, Patil SR, Joshi SA, Bhat KG, Diwan PV. Factorial design based curcumin ethosomal nanocarriers for the skin cancer delivery: In vitro evaluation. *Journal of Liposome Research*. 2018:1-64. I.F 5.586
42. Naik NS, Shastri LA, Samundeeswari S, Chougala BM, Farzanabi Shaikh, Madar J, Rashmi Kulkarni, Dodamani S., **Jalalpure S.**, Joshi SD, Sunagar VA. Synthesis of Polyfunctionalized Fused Pyrazolo-Pyridines: Characterization, Anticancer Activity, Protein Binding and Molecular Docking Studies, *Chemistry Select*, 2019 Jan 10;4(1):285-97. I.F 2.307
43. Jadhav K, Rajeshwari HR, Deshpande S, Jagwani S, Dhamecha D, **Jalalpure S**, Subburayan K, Baheti D. Phytosynthesis of gold nanoparticles: Characterization, biocompatibility, and evaluation of its osteoinductive potential for application in implant dentistry. *Materials Science and Engineering: C*. 2018 Dec 1;93:664-70.
44. Hegde S, Pai SR, Bhagwat RM, Saini A, Rathore PK, **Jalalpure SS**, Hegde HV, Sugunan AP, Gupta VS, Kholkute SD, Roy S. Genetic and phytochemical investigations for understanding population variability of the medicinally important tree *Saraca asoca* to help develop conservation strategies. *Phytochemistry*. 2018 ;156:43-54.
45. Dinnimath BM, **Jalalpure SS**. Antioxidant and Antiuro lithiatic Efficacy of *Aerva lanata* (L) Fractions by in vitro and in vivo Screening Techniques. *Indian Journal of Pharmaceutical Education and Research*, July-Sep 2018, 52 (3), 426-436.
46. Jadhav K, Deore S, Dhamecha D, Jagwani S, **Jalalpure S**, Bohara R. Phytosynthesis of Silver Nanoparticles: Characterization, Biocompatibility Studies, and Anticancer Activity. *ACS Biomaterials Science & Engineering*. 2018 Jan 28;4(3):892-9. I.F **5.395**
47. Kurangi BK, **Jalalpure SS**. Review of selected herbal phytoconstituents for potential melanoma treatment. *Indian Journal of Health Sciences and Biomedical Research (KLEU)*. 2018 Jan 1;11(1):3.

48. Peram MR, **Jalalpure SS**, Joshi SA. A simple RP-HPLC method for the determination of curcumin in commercial turmeric herbal products. Indian Journal of Natural Products. 2017; 31. I.F 0.192
49. Chougala BM, Samundeeswari S, Holiyachi M, Naik NS, Shastri LA, Dodamani S, **Jalalpure S**, Dixit SR, Joshi SD, Sunagar VA. Green, unexpected synthesis of bis-coumarin derivatives as potent anti-bacterial and anti-inflammatory agents. European journal of medicinal chemistry. 2018 Jan 1;143:1744-56. I.F 7.088
50. Patil SM, Vadavi RS, Dodamani S, Kendur U, Chimmalagi G, **Jalalpure S**, Frampton CS, Gudasi KB. Transition metal complexes of a hydrazone derived from hydralazine hydrochloride and 3, 5-di-tert-butylsalicylaldehyde. Transition Metal Chemistry. February 2018, Volume 43, [Issue 1](#), pp 65–72 I.F 1.917
51. Holiyachi M, Samundeeswari S, Chougala BM, Naik NS, Madar J, Shastri LA, Joshi SD, Dixit SR, Dodamani S, **Jalalpure S**, Sunagar VA. Design and synthesis of coumarin–imidazole hybrid and phenyl-imidazoloacrylates as potent antimicrobial and antiinflammatory agents. Monatshefte für Chemie-Chemical Monthly.:1-5. I.F 1.613
52. Dixit SR, Joshi SD, Kulkarni VH, **Jalalpure SS**, Kumbar VM, Mudaraddi TY, Nadagouda MN, Aminabhavi TM. Pyrrolyl Pyrazoline Carbaldehydes as Enoyl-ACP Reductase Inhibitors: Design, Synthesis and Antitubercular Activity. The open medicinal chemistry journal. 2017; 11:92. I.F 0.7
53. Joshi SA, **Jalalpure SS**, Kempwade AA, Peram MR. Fabrication and in-vivo evaluation of lipid nanocarriers based transdermal patch of colchicine. Journal of Drug Delivery Science and Technology. 2017 Oct 1;41:444-53. I.F 5.062
54. Puranik SI, Ghagane SC, Nerli RB, **Jalalpure SS**, Hiremath MB. Evaluation of in vitro Antioxidant and Anticancer Activity of Simarouba glauca Leaf Extracts on T-24 Bladder Cancer Cell Line. Pharmacognosy Journal. 2017;9(6). I.F **0.258**
55. Peram MR, **Jalalpure SS**, Palkar MB, Diwan PV. Stability studies of pure and mixture form of curcuminoids by reverse phase-HPLC method under various experimental stress conditions. Food Science and Biotechnology. 2017 Jun 1;26(3):591-602. I.F 3.231

56. Peram MR, **Jalalpure SS**, Joshi SA, Palkar MB, Diwan PV. Single robust RP-HPLC analytical method for quantification of curcuminoids in commercial turmeric products, Ayurvedic medicines, and nanovesicular systems. *Journal of Liquid Chromatography & Related Technologies*. 2017 Jun 15;40(10):487-98. I.F **1.467**
57. Hiremath R, **Jalalpure S**, Pethakar S. Chromatographic Fingerprint Analysis of Hydro-alcoholic extract of Medicinally Important plant *Elephantopus scaber* L. Using HPTLC Technique. *Indian Journal of Pharmaceutical Education and Research*. 2016 Oct 1;50(4):689-94. I.F 0.843
58. Alegaon SG, Hirpara MB, Alagawadi KR, **Jalalpure SS**, Rasal VP, Salve PS, Kumbar VM. Synthesis and biological evaluation of 1, 3, 4-trisubstituted pyrazole analogues as anti-mycobacterial agents. *Medicinal Chemistry Research*. 2017 Jun 1;26(6):1127-38. I.F 2.351
59. Mahanthesh MC, Gautam G, **Jalalpure SS**. Development and Screening of Anticonvulsant Polyherbal Formulation. *Research Journal of Pharmacy and Technology*. 2017 May 1;10(5):1402-1416. I.F 1.192
60. Alegaon SG, Parchure P, Araujo LD, Salve PS, Alagawadi KR, **Jalalpure SS**, Kumbar VM. Quinoline-azetidinone hybrids: Synthesis and in vitro antiproliferation activity against Hep G2 and Hep 3B human cell lines. *Bioorganic & medicinal chemistry letters*. 2017 Apr 1;27(7):1566-71. I.F 2.94
61. Ghagane SC, Puranik SI, Kumbar VM, Nerli RB, **Jalalpure SS**, Hiremath MB, Neelagund S, Aladakatti R. In vitro antioxidant and anticancer activity of *Leea indica* leaf extracts on human prostate cancer cell lines. *Integrative medicine research*. 2017 Mar 1;6(1):79-87. I.F 4.473
62. Rajeshwari HR, Dhamecha D, Jagwani S, Patil D, Hegde S, Potdar R, Metgud R, **Jalalpure S**, Roy S, Jadhav K, Tiwari NK. Formulation of thermoreversible gel of cranberry juice concentrate: Evaluation, biocompatibility studies and its antimicrobial activity against periodontal pathogens. *Materials Science and Engineering: C*. 2017 Jun 1;75:1506-14. I.F 8.457

63. Pethakar S. R., Hurkdale P. J., Hiremath R. D. and **Jalalpure S. S.** Lithotriptic activity of *Nerium oleander* L.: an experimental screening, Year 2016 | Volume No. 53 | Issue No.12 | Page No. 11-17
64. Samundeeswari S, Chougala B, Holiyachi M, Shastri L, Kulkarni M, Dodamani S, **Jalalpure S**, Joshi S, Dixit S, Sunagar V, Hunnur R. Design and synthesis of novel phenyl-1, 4-beta-carboline-hybrid molecules as potential anticancer agents. European journal of medicinal chemistry. 2017 Mar 10;128:123-39. I.F 7.088
65. Kamble A, Kamble R, Dodamani S, **Jalalpure S**, Rasal V, Kumbhar M, Joshi S, Dixit S. Design, synthesis and pharmacological analysis of 5-[4'-(substituted-methyl)[1, 1'-biphenyl]-2-yl]-1H-tetrazoles. Archives of pharmacal research. 2017 Apr 1;40(4):444-57. I.F 6.01
66. Hegde S, Hegde HV, **Jalalpure SS**, Peram MR, Pai SR, Roy S. Resolving identification issues of *Saraca asoca* from its adulterant and commercial samples using phytochemical markers. Pharmacognosy magazine. 2017 Jul;13(Suppl 2):S266. I.F 0.258
67. Nannapaneni NK, **Jalalpure SS**, Muppavarapu R, Sirigiri SK. A sensitive and rapid UFLC-APCI-MS/MS bioanalytical method for quantification of endogenous and exogenous Vitamin K1 isomers in human plasma: Development, validation and first application to a pharmacokinetic study. Talanta. 2017 Mar 1;164:233-43. I.F 6.556
68. Joshi SA, **Jalalpure SS**, Kempwade AA, Peram MR. Development and Validation of HPLC Method to Determine Colchicine in Pharmaceutical Formulations and its Application for Analysis of Solid Lipid Nanoparticles. Current Pharmaceutical Analysis. 2018 Jan 1;14(1):76-83. I.F **0.743**
69. Dinnimath BM, **Jalalpure SS**, Patil UK. Antiuro lithiatic activity of natural constituents isolated from *Aerva lanata*. Journal of Ayurveda and integrative medicine. 2017 Nov 21. I.F 0.816
70. Dhamecha D, **Jalalpure S**, Jadhav K, Jagwani S, Chavan R. Doxorubicin loaded gold nanoparticles: Implication of passive targeting on anticancer efficacy. Pharmacological research. 2016 Nov 1;113:547-56. I.F 10.334
71. Chougala BM, Samundeeswari S, Holiyachi M, Shastri LA, Dodamani S, **Jalalpure S**, Dixit SR, Joshi SD, Sunagar VA. Synthesis, characterization and molecular docking studies of

substituted 4-coumarinylpyrano [2, 3-c] pyrazole derivatives as potent antibacterial and anti-inflammatory agents. European journal of medicinal chemistry. 2017 Jan 5;125:101-16. I.F 7.088

72. Ravindra D. Hiremath, **Sunil S. Jalalpure**, Effect of hydro-alcoholic extract of *Vernonia cinerea* less. Against ethylene glycol-induced urolithiasis in rats. Indian journal of pharmacology, 2016; 48 (4): 1 – 7. I.F 2.4
73. Nannapaneni NK, **Jalalpure SS**, Muppavarapu R, Sirigiri SK. An ultra high performance liquid chromatography-tandem mass spectrometry method for the quantification of linagliptin in human plasma. RSC advances. 2016;6(71):66756-66.
74. Telagari M, KK H, **Jalalpure SS**, Peram MR. Article Details Comparative TLC and RP-HPLC fingerprinting Analysis of Three Sources of Mayurasikha: an Ayurvedic Drug. I.F 3.245
75. Shelke S, Shahi S, **Jalalpure S**, Dhamecha D. Poloxamer 407-based intranasal thermoreversible gel of zolmitriptan-loaded nanoethosomes: formulation, optimization, evaluation and permeation studies. Journal of liposome research. 2016 Oct 1;26(4):313-23. I.F 5.586
76. Dhamecha D, **Jalalpure S**, Jadhav K. *Nepenthes khasiana* mediated synthesis of stabilized gold nanoparticles: Characterization and biocompatibility studies. Journal of Photochemistry and Photobiology B: Biology. 2016 Jan 1;154:108-17. I.F 5.586
77. Castelino PA, Dasappa JP, Bhat KG, Joshi SA, **Jalalpure S**. Some novel Schiff bases of [1, 2, 4] triazole bearing haloarene moiety—synthesis and evaluation of antituberculosis properties and neutrophil function test. Medicinal Chemistry Research. 2016 Jan;25:83-93. I.F 2.351
78. Dhamecha D, **Jalalpure S**, Jadhav K. Doxorubicin functionalized gold nanoparticles: Characterization and activity against human cancer cell lines. Process Biochemistry. 2015 Dec 1;50(12):2298-306. I.F 4.885
79. Dhamecha D, **Jalalpure S**, Jadhav K, Sajjan D. Green synthesis of gold nanoparticles using *Pterocarpus marsupium*: Characterization and biocompatibility studies. Particulate Science and Technology. 2016 Mar 3;34(2):156-64. I.F 2.628

80. J. K. Patil, **S. S. Jalalpure**, H. Y. Hasni Sayyed, R. D. Hiremath, M.K. Chouhan. Evaluation of Antibacterial and Antifungal potential of *Bauhinia variegata* (linn.) stem bark, Indian Journal of Natural Products. 2015; 29(1): 44-55. I.F 0.192
81. Kavatagimath SA, **Jalalpure SS**. Screening of ethanolic extract of *Diospyros malabarica* Desr. Bark for anti-diabetic and antioxidant potential. Indian Journal of Pharmaceutical Education and Research. 2016 Jan 1;50(1):179-89. I.F 0.843
82. Shelke S, Shahi S, **Jalalpure S**, Dhamecha D, Shengule S. Formulation and evaluation of thermoreversible mucoadhesive in-situ gel for intranasal delivery of naratriptan hydrochloride. Journal of drug delivery science and technology. 2015 Oct 1;29:238-44. I.F 5.062
83. Parameshwara C, **Jalalpure SS**, Jagwani S, Kumar NN, Shah B. Phytochemical Investigation And In-Vitro Immunomodulatory Study Of *Asparagus Racemosus* Willd Roots Extracts. Pharma Science Monitor. 2015 Jan 1;6(1).
84. Kavatagimath SA, **Jalalpure SS**. Screening of ethanolic extract of *Diospyros malabarica* Desr. Bark for anti-diabetic and antioxidant potential. Indian Journal of Pharmaceutical Education and Research. 2016 Jan 1;50(1):179-89.
85. **Sunil Jalalpure**, In-Vitro Immunomodulatory Activity and Phytochemical Investigation of Various Extracts of *Embllica officinalis* Fruits” International Journal of Pharmaceutical Research, 15, no. 8 (2015): 970-979. I.F **0.106**
86. B Palkar M, S **Jalalpure S**, A Rane R, M Patel H, S Shaikh M, A Hampannavar G, S Alwan W, S Bolakatti G, Karpoomath R. Novel series of coumarinyl substituted-thiazolidin-2, 4-dione analogs as anticancer agents: design, synthesis, spectral studies and cytotoxicity evaluation. Anti-Cancer Agents in Medicinal Chemistry (Formerly Current Medicinal Chemistry-Anti-Cancer Agents). 2015 Oct 1;15(8):970-9. I.F 2.527
87. Dinnimath BM, **Jalalpure SS**. In silico antiurolithiatic screening of *Aerva lanata* (L) isolated constituents. Indian J Pharm Educ Res. 2015 Apr 1;49(1):1-8. I.F 0.843
88. Mandavkar YD, **Jalalpure SS**. Effect of Amavata vidhvansa rasa: A herbo-mineral formulation on carrageenan-Induced inflammation in rats. Indian Journal of Health Sciences and Biomedical Research kleu. 2014 Jan 1;7(1):12-4.

89. Hyma.P, Abbulu.k. **Sunil S. Jalalpure**. SMEDDS Formulation: Demonstration of Enhanced bioavailability of Pioglitazone in rats. International Journal of Pharmacy and Pharmaceutical Sciences. 2014; 6 :(2) 662-65.I.F 1.59
90. Hogade MG, **Jalalpure SS**, Bhinge SD, Kuthar S, Kosgi SS. Invitro Anthelmintic Activity of Bark of *Azadirachta indica* against *Ascardi galli* and *Eudrilus eugeniae*. Journal of Natural Remedies. 2014:48-51. I.F **0.161**
91. Dinnimath B.M. **Jalalpure S.S**. Studies on antimicrobial potentials of *Aerva lanata* of fractions. International Journal of Pharmaceutical Research, 2013; 2: (4) 43-6. I.F **0.106**
92. S. R. Patil, M. B. Patil, **S. S. Jalalpure** and U.K. Patil Evaluation of estrogenic activity of various extracts of *Mentha arvensis* leaves in female rats. Indian Journal of Natural Products. 2012; 27(4): 19-27. I.F 0.192
93. Bagali RS, **Jalalpure SS**. Antioxidant and hepatoprotective activity of *Schrebera swietenoides* Roxb. fruit ethenolic extract against CCL4 induced liver injury in rats. The Asian Journal of Pharmaceutical and Clinical Research, 2011;3(4): 24-30. I.F 0.4
94. Kaushik ML, **Jalalpure SS**. Comparative efficacy of ethanolic and aqueous extracts of *Curcuma zedoaria* Rosc root on behavioral and radiology changes in arthritic rats. International Journal of Pharmaceutical Research, 2012;4(1):77-81.
95. Gadge N, **Jalalpure SS**. Curative treatment with extracts of *Bombax ceiba* L. (Bombacaceae) fruit reduces risk of calcium oxalate urolithiasis in rats. Pharmaceutical Biology, 2012; 50(3): 338-343. I.F 3.8
96. Hogade MG, **Jalalpure SS**, Kuthar S. Antibacterial Activity OF fruit extract of *Terminalia chebula* Retz. against some Gram Positive and Gram Negative Bacteria. International Journal of Pharmacy and Pharmaceutical Science Research 2011;1(1): 26-29. I.F 1.59
97. Bagali RS, **Jalalpure SS**. Screening of antidiabetic and antioxidant effect of *Tectona grandis* Linn.bark ethanol extract. International Journal of Pharmaceutical Research, 2011; 3(4):24-30. I.F **0.106**
98. Gadge N, **Jalalpure SS**. Natriuretic and saluretic effects of *Hemidesmus indicus* R.Br. root extracts in rats. Indian Journal of Pharmacology, 2011; 43(6): 714-717. I.F 2.4

99. **Jalalpure SS**, Mandavkar YD, Khalure PR, Shinde GS, Shelar PA, Shah AS. Antiarthritic activity of various extracts of *Mesua ferrea* Linn. Seed. Journal of Ethnopharmacology, 2011; 138: 700–704. I.F 5.195
100. Verma V, **Jalalpure SS**, Sahu A, Bhardwaj LK, Yache P. *Bombax ceiba* Linn: Pharmacognostical, phytochemistry, ethnobotany, and pharmacology studies. Internationale Pharmaceutica Sciencia, 2011; 1(1): 62-68.
101. Kaushik ML, **Jalalpure SS**. Effect of Curcuma zedoaria Rosc root extracts on behavioral and radiology changes in arthritic rats. Journal of Advanced Pharmaceutical Technology & Research. 2011; 2(3): 170-176. I.F 1.74
102. Kaushik ML, **Jalalpure SS**. Anti-inflammatory efficacy of root extracts of *Curcuma zedoaria rosc*, in rats. Asian Journal of Pharmaceutical and Clinical Research. 2011; 4(3): 90-92. I.F 0.4
103. Kaushik ML, **Jalalpure SS**. Evaluation of anti-inflammatory effect of ethanolic and aqueous extracts of *Curcuma zedoaria Rosc* Root. International Journal of Drug Development & Research. 2011; 3(1), 360-365. I.F 48.80
104. Bagali RS, **Jalalpure SS**. Evaluation of antidiabetic and antioxidant effect of *Schrebera swietenoides* fruit ethenolic extract, Der Pharmacia Lettre, 2010; 2(5):278-288. I.F 31.09
105. Patil JK, **Jalalpure SS**, Hamid S, Ahirrao RA. In-vitro immunomodulatory activity of extracts of *Bauhinia vareigata* Linn stem bark on human neutrophils. Iranian Journal of Pharmacology & Therapeutics, 2010; 9(2): 41-46. I.F 1.696
106. Md. Salahuddin, **Jalalpure SS**. Evaluation of antidiabetic activity of *Cassia glauca* Lam. leaf in streptozotocin induced diabetic rats. Iranian Journal of Pharmacology and Therapeutics, 2010; 9(1): 29-33. I.F 1.696
107. **Jalalpure SS**, Md. Salahuddin, Antidiabetic activity of aqueous extract of *Cucumis trigonus* fruits in STZ-induced diabetic rats. Journal of Ethnopharmacology, 2010,127(2): 565-567. I.F 5.195
108. **Jalalpure SS**, Md. Salahuddin, Gadge NB, Antidiabetic activity of aqueous bark extract of *Cassia glauca* Lam. in STZ-induced diabetic rats. Canadian Journal of Physiology and Pharmacology, 2010; 88(2): 153-160. I.F 2.245

109. Bahuguna YM, Patil KS, Rawat MM, **Jalalpure SS**, Uniyal S. Antiulcer activity of *Melia azadirachta* Linn in aspirin induced and pylorus ligated rats. Journal of Pharmacy Research, 2009; 2(9): 1456-1459.
110. **Jalalpure SS**, Bagewadi V, Shaikh I. Antiepileptic effect of *Asparagus racemosus* root extracts. Journal of Tropical Medicinal Plants, 2009; 10(2): 157-162. I.F 2.20
111. Gadge NB, **Jalalpure SS**, Pawase KB. Preliminary phytochemical screening and diuretic activity of *Bombax ceiba* L. fruit extracts, Pharmacologyonline, 2009; 3:188-194.
112. **Jalalpure SS**, Chimkode R, Patil MB. Wound healing activity of tuberous root extracts of *Ipomoea batatas*. Advance Journal of Pharmacology and Toxicology.2009;10(3):67-72.
113. **Jalalpure SS**, Alagawadi KR, Mahajanshetti CS, Yadav SK, Kumar A. A Study of Antifungal Activity of Seed Oils of four Indian Medicinal Plants. Indian Drugs.2009; 46(2):113-115. I.F 0.117
114. **Jalalpure SS**, Wadekar R, Patil KS. Effect of *Baliospermum montanum* root extract on phagocytosis by human neutrophils Indian Journal of Pharmaceutical Sciences, 2009; 71(1): 68-71. I.F **0.664**
115. **Jalalpure SS**, Md. Salahuddin, Shaikh I, Manvi FV. Anticonvulsant Effects of *Calotropis procera* Root in Rats. Pharmaceutical Biology, 2009; 47(2): 162-167.
116. **Jalalpure SS**, A study of antipyretic activity of *Hedyotis corymbosa* Linn. in Albino rats. Biomed. 2008; 3 (3 and 4): 234-238. I.F 3.246
117. **Jalalpure SS**, Md. Salahuddin, Effect of aqueous leaves extract of *Cassia glauca* Lam. in streptozotocin-induced diabetic rats, African Journal of Traditional, Complementary and Alternative Medicine [Proc. WOCMAP IV], 2008; 439-440.
118. Pramod HJ, Patil MB, **Jalalpure SS**, Manvi FV. Effect of *Picrorhiza kurroa* roots on blood glucose level on alloxan induced diabetic rats, African Journal of Traditional, Complementary and Alternative Medicine [Proc. WOCMAP IV],2008; 439.
119. **Jalalpure SS**, Patil KS, Bahuguna YM. Phytochemical and pharmacological investigation of *Melia azedarach* leaves for antiurolithiatic activity, Journal of Tropical Medicinal Plants, 2008; 9(2):344-352. I.F 2.20

120. **Jalalpure SS**, Wadekar R. Screening of Roots of *Baliospermum montanum* for Hepatoprotective activity against paracetamol induced liver damage in albino rats. International Journal of Green Pharmacy, 2008; 2(4): 220-223.
121. **Jalalpure SS**, Agarwal N, Patil MB, Chimkode R, Tripathi A. Antimicrobial and wound healing activities of leaves of *Alternanthera sessilis* Linn. International Journal of Green Pharmacy, 2008; 2(3): 141-144.
122. **Jalalpure SS**, Ahirrao RA. Studies on anti-arthritic property of *Tribulus Terrestris* Linn. fruits in adjuvant induced arthritis rats. Advance Journal of Pharmacology and Toxicology. 2008; 9(1): 17-22.
123. **Jalalpure SS**, Shah BN, Nayak BS, Seth AK. Anti-arthritic activity of fruits of *Momordica charantia* Linn. International Journal of Pharmacology and Biological Sciences. 2008; 2(1): 39-43.
124. Pramod HJ, Patil MB, **Jalalpure SS**, Kokate CK. Effect of *Sphaeranthus indicus* flower extracts on blood glucose level and lipid metabolism on alloxan induced diabetic rats. Journal of Tropical Medicinal Plants, 2008; 9(1): 11-15. I.F 2.20
125. Mastiholimath VS, Patil MB, Dandgi PM, Gadag AP, Kulkarni AR, **Jalalpure SS**, Yuvaraj. Antihypertensive activity of seeds of *Mucuna pruriens* in dexamethasone induced hypertension in rats. International Journal of Pharmacology and Biological Sciences, 2007; 1(3): 29-32.
126. Dandgi PM, Patil MB, Mastiholimath VS, Gadag AP, Kulkarni AR, **Jalalpure SS**. Antiulcer activity of extracts of *Cyperous rotundus* rhizome in pylorus ligated model. Advance Journal of Pharmacology and Toxicology, 2007; 8(3): 117-122.
127. Shah BN, Nayak BS, Bhatt SP, **Jalalpure SS**, Seth AK. Anti-inflammatory activity of the leaves of *Colocasia esculenta*. Saudi Pharmaceutical Journal, 2007; 15(3-4):228-231. I.F 4.562
128. **Jalalpure SS**, Alagawadi KR, Mahajanashetti CS, Shah BN, Salahuddin, Singh BN, Patil JK. In vitro anthelmintic property of various seed oils against *Pheritima posthuma*. Indian Journal of Pharmaceutical Sciences, 2007; 69(1): 158-160. I.F **0.664**

129. **Jalalpure SS**, Alagawadi KR, Mahajanshetty CS, Patil JK, Singh V. A comparative in-vitro antifungal activity of Indian Medicinal Plant Seed Oils. *Indian Drugs*, 2007; 44(2): 142- 144. I.F **0.117**
130. Pramod HJ, Patil MB, S **Jalalpure SS**, Prakash NS. Antidiabetic activity of *Butea monosperma* seeds on alloxan induced diabetic rats. *Journal of Tropical Medicinal Plants*, 2006; 7(1): 31-36. I.F 2.20
131. **Jalalpure SS**, Parameshwara C, Patil JK, Singh V. Effect of *Terminalia arjuna*(Roxb) bark extracts on human neutrophils. *Indian Drugs*, 2006; 43(8): 619-624. I.F **0.117**
132. Shah BN, Nayak BS, Seth AK, **Jalalpure SS**, Patel KN. New regulations need to be implemented for herbal medicines and dietary supplements. *Pharmacognosy magazine*, 2006; 2(7): 149-152. I.F 0.258
133. **Jalalpure SS**, Singhal P, Singh V, Patil JK. Hepatoprotective activity of *Phyllanthus distichus* linn. fruit pulp. *Indian Journal of Natural Products*, 2006;22(3): 24-26. I.F 0.192
134. Shah BN, Nayak BS, Seth AK, **Jalalpure SS**, Patil KN, Patel MA, Mishra AD. Search for medicinal plants as a source of antiinflammatory and antiarthritic agents: a review. *Pharmacognosy magazine*, 2006; 2; 6. I.F 0.258
135. **Jalalpure SS**, Bamne S, Patil MB, Shah B, Md. Salahuddin. Antidiabetic activity of *Holarrhena antidysenterica* (linn.) Wall, bark on alloxan induced diabetic rats. *Journal of Natural remedies*, 2006; 6(1): 26-30. I.F **0.161**
136. **Jalalpure SS**, Alagawadi KR, Mahajanshetty CS, Md. Salahuddin and Biren Shah. In vitro anthelmintic property of various seed oils, *Iranian Journal of Pharmaceutical Research*, 2006; 4: 281-284. I.F 1.696
137. Manvi FV, Alagawadi KR, **Jalalpure SS**, Umare VV, Hunshal RD, Shah AS. Antiinflammatory activity of *Crotalaria striata* seeds extract. *Journal of Oil Technologists Association of India*, 2005; 37(3): 3-4.
138. Alagwadi KR, Mahajanshetty CS, **Jalalpure SS**. Oleo chemicals: 2-Alkyl / Arylthio- 5-n-Alkyl-1, 3, 4-Oxadiazoles *Indian Journal of Heterocyclic Chemistry*, 2005; 14: 315-318. I.F 0.27

139. Patil MB, Kokate CK, **Jalalpure SS**, Prakash NS, Patil SS. Proc. WOCMAPIII: Traditional Medicine and Nutraceuticals, Anti-Ulcer Property of alcoholic extract of *Cynodon dactylon* herb in rats. Acta Horticulture, 2005; 6: 680. I.F 0.27
140. Alagawadi KR, Manvi FV, **Jalalpure SS**, Malik KM, Shah AS, Kanjilal S, Prasad RBN. Fatty acid composition of *Ziziphus nummularia* seed oil and its pharmacological evaluation. The Journal of Oil Technologists Association of India, 2004; 36: 51-54.
141. Jalalpure SS, Patil MB, Pai A, Shah BN, MD. Salahuddin. Anti-diabetic activity of *Cassia auriculata* seeds in alloxan induced diabetic rats. Nigerian Journal of Natural Products and Medicine, 2004; 8: 22-23. I.F 0.192
142. Patil MB, **Jalalpure SS**, Nagoor VS. Wound healing activity of *Eclipta alba* Linn. Indian Drugs, 2004; 41(1): 40-45. I.F **0.117**
143. **Jalalpure SS**, Patil MB, Prakash NS, Hemalata K, Manvi FV. Hepatoprotective activity of the fruits of *Piper longum* Linn. Indian Journal of Pharmaceutical Sciences, 2003; 65(4): 363-366. I.F **0.664**
144. Patil MB, **Jalalpure SS**, Pramod HJ, Manvi FV. Anti-inflammatory activity of leaves of *Anacardium occidentale* Linn. Indian Journal of Pharmaceutical Sciences, 2003; 65 (1): 70-72. I.F **0.664**
145. **Jalalpure SS**, Patil MB, Jabshetti MS. Effect of *Lawsonia alba* leaf extracts on CCl₄ induced hepatic damage in albino rats. Journal of Natural Remedies, 2003; 3(1): 97-100. I.F **0.161**
146. **Jalalpure SS**, Patil MB, Habbu PV, Kulkarni RV, Simpi CC, Patil CC. Analgesic and antipyretic activity of *Pergularia extensa* in rats. Indian Journal of Pharmaceutical Sciences, 2002; 64(5): 493-95. I.F **0.664**
147. **Jalalpure SS**, Patil MB, Alagawadi KR. Wound healing activity of galls of *Quercus infectoria* olivier. Journal of Natural Remedies, 2002; 2(1): 54-58. I.F **0.161**
148. Hukkeri VI, Patil MB, **Jalalpure SS**. Ali Ashraf. Anti-inflammatory activity of various extracts of *Pergularia extensa*. Indian Journal of Pharmaceutical Sciences, 2001; 63(5): 429-431. I.F **0.664**

149. Patil MB, **Jalalpure SS**, Ashraf A. Preliminary phytochemical investigation and wound healing activity of the leaves of *Argemone mexicana* Linn.(Papaveraceae). Indian Drugs-Bombay-. 2001;38(6):288-93. **0.117**

Review Articles:

150. Shah BN, Nayak BS, Seth AK, **Jalalpure SS**, Patil KN, Patel MA, Mishra AD. Search for medicinal plants as a source of anti-inflammatory and anti-arthritis agents: a review. Pharmacognosy magazine, 2006; 2; 6. I.F 0.948
151. Yadav Shiv Kumar, Deepika, **Jalalpure S.S**, Saini Prem. Phytochemical screening of various extracts of stem bark of *Bahunia racemosa* plant. International Journal of Pharmaceutical Research and Development. 2010;2(5):Article No. 4. I.F 6.79
152. Rajeshwari HR, Dhamecha D, Jagwani S, Rao M, Jadhav K, Shaikh S, Puzhankara L, **Jalalpure S**. Local drug delivery systems in the management of periodontitis: A scientific review. Journal of Controlled Release. 2019 Jun 27. I.F 10.8

Financial Support Received for Organizing Conferences:

1. Received Rs.50,000 from KLE University to organize Indian Cosmetic Technologists Association, Belagavi and KLE University, Belagavi sponsored 3rd Congress on Cosmetic Technology on 28th– 29thAugust 2009 held at Belagavi.
2. Received Rs.50,000 from Indian Council of Medical Research to conduct 15th Annual Conference and First International Convention of Society of Pharmacognosy held from 18th to 20th Feb 2011 at KLE University's College of Pharmacy, Belagavi.
3. Received Rs.2,00,000 from AICTE, New Delhi to organize 15thAnnual Conference and First International Convention of Society of Pharmacognosy held from 18th to 20th Feb 2011 at KLE University's College of Pharmacy, Belagavi.

4. Received Rs.1, 00,000 from KLE University, Belagavi to organize 15thAnnual Conference and First International Convention of Society of Pharmacognosy held from 18thto 20thFeb 2011 at KLE University's College of Pharmacy, Belagavi.
5. Received Rs.40,000/- from Indian Council of Medical Research to organize 20th National Convention of Society of Pharmacognosy held from 26-27 March, 2016 at KLE University's College of Pharmacy, Belagavi.

Travel Grants Received:

1. Received Rs.1,05,000/- Travel Grant from AICTE in Young Scientist Category held on 9th – 14th November 2008 at Cape Town International Convention Centre (CTICC), Cape Town, South Africa.
2. Sanctioned from DST (Govt. of India), financial assistance for attending World Congress on Medicinal and Aromatic Plants (WOCMAP IV) to be held on 9th – 14th November 2008 at Cape Town International Convention Centre (CTICC), Cape Town, South Africa. Rs. 67,000/- (funds denied from me due to technical reasons).



Prof. (Dr.) Sunil S. Jalalpure