

STUDENTS RESEARCH ACCOMPLISHMENTS

Publications

- **Ramachandran Valavan, Harsha Kharkwal.** Different Formulations of Curcuma Longa and Withania Somnifera Possess Anti-Microbial Activities In-Vitro. Journal of Pharmaceutical Negative Results. 2022; 13(8): 3754-3757; DOI: <https://doi.org/10.47750/pnr.2022.13.S08.466>. (Impact Factor: 0.654).
- **Valavan R, Kharkwal H,** Kumar Rajput S, Hoerr R, Chander S. Aqueous-ethanolic extracts of Curcuma longa and Withania somnifera improve memory in the dementia model. Journal of Research in Pharmacy. 2022; 26(6): 1842-1856. DOI: <http://dx.doi.org/10.29228/jrp.274>. (Impact Factor: 0.88)
- **Rani Dolly, Kharkwal Harsha***, Kulkarni G.T., Rai Nitin, Grover Parul, Chander Subhash (2022), Anti-diabetic, antioxidant and toxicity studies of Grewia abutilifolia leaves extracts, Medicinal Plants - International Journal of Phytomedicines and Related Industries, Vol. 13(4), pp. 689-700, DOI: <http://dx.doi.org/10.5958/0975-6892.2021.00079.4>. (Impact Factor: 0.44).
- Rohit Bhardwaj, Amit Kumar Mittal, Nitesh Sharma, Swati Madan, **Harsha Kharkwal**, Satyendra Kumar Rajput, **Ramachandran Valvan** (2021), Anti-nociceptive Potential of OlmuviTM and its Safety Study through Skin Irritation Test, Advancements in Homeopathic Research, Vol. 6 No. 2: 18-23. <https://homoeojournal.com>
- **Dolly Rani**, Megha Jha, Nitin Rai, **Harsha Kharkwal** (2021), Assessment of the Total Flavonoid, Phenol, Alkaloid Content and Sun Protection Factor in Grewia abutilifolia Leaf Extract, Journal of Pharmaceutical Research International, Vol. 33(Issue 49A) pp. 42-51. DOI: <https://doi.org/10.9734/jpri/2021/v33i49A33300> (NAAS Score: 5.51).
- Rohit Bhardwaj, Amit Kumar Mittal, Nitesh Sharma, Swati Madan, **Harsha Kharkwal**, Satyendra Kumar Rajput, **Ramachandran Valvan** (2020), Anti-inflammatory, Anti-nociceptive and Toxicity Studies of Homeopathic Formulation Rück-PainTM against Spondylitis, Advancements in Homeopathic Research, Vol. 5 No. 1, <https://homoeojournal.com>.
- **Manikantan Ambika Chithra**, Thadiyan Parambilljinu, **Harsha Kharkwal**, Palpu Pushpangadan, Varughese George (2020), Cocos nucifera L. Inflorescence extract: An effective hepatoprotective agent, Indian Journal of Traditional Knowledge 19(1): 128-136, Publisher: NISCAIR-CSIR, India, DOI: nopr.niscair.res.in/handle/123456789/43. (Impact Factor: 0.920).
- **Ayushi Sharma, Bhanu Malhotra, Harsha Kharkwal**, Giriraj T. Kulkarni & Nutan Kaushik (2020), Therapeutic agents from endophytes harbored in Asian medicinal plants, **Phytochemistry Reviews**, 19: 691-720, Springer Publications, DOI [10.1007/s11101-020-09683-8](https://doi.org/10.1007/s11101-020-09683-8). (Impact Factor: 5.374).
- **Manikantan Ambika Chithra**, Thadiyan Parambi Ijini, **Harsha Kharkwal**, Palpu Pushpangadan, Varughese George (2019), Phenolic rich Cocos nucifera inflorescence extract ameliorates inflammatory responses in LPS-stimulated RAW264.7 macrophages and toxin-induced murine models, Inflammopharmacology, 28: 1073-1089, DOI: [10.1007/s10787-019-00620-6](https://doi.org/10.1007/s10787-019-00620-6). (Impact Factor: 4.473).

- **Simranjit Singh, Monika Joshi, Preeti Panthari, Harsha Kharkwal** (2017), Citrulline rich structurally stable zinc oxide nanostructures for superior photo catalytic and optoelectronic applications: A green synthesis approach. **Nano-Structures and Nano-Objects**, 11: 1-6, DOI: <https://doi.org/10.1016/j.nanoso.2017.05.006>. (IF: 5.454)
- **Anu Keshwani, Bhanu Malhotra and Harsha Kharkwal**, Nutraceutical: A Drug, Dietary Supplement and Food Ingredient. **Current Pharmacogenomics and Personalized Medicine**, 2015, 13(1): 14-22 (IF: 0.10).
- **Anu Keshwani, Bhanu Malhotra, Harsha Kharkwal** (2015) Natural Polymer based detergents for stain removal. **World Journal of Pharmacy and Pharmaceutical Sciences**; 4(4): 490-508 (IF: 7.632).
- **Anu Keshwani, Bhanu Malhotra, Harsha Kharkwal** (2015) Advancement of Nanotechnology in Food packaging. **World Journal of Pharmacy and Pharmaceutical Sciences**; 4(4): 1054-105. (IF: 7.632).
- **Shagun Gill, Preeti Panthari, Harsha Kharkwal** (2015), Phytochemical Investigation of High-Altitude Medicinal Plants Cinnamomum tamala (Buch-Ham) Nees and Eberm and Rhododendron arboretum Smith. **American Journal of Phytomedicine and Clinical Therapeutics**, 3(6): 512-528. (IF: SJIF-3.266)
- **Bhanu Malhotra, Anu Keshwani, and Harsha Kharkwal** (2015) Antimicrobial Food Packaging: Potential and Pitfalls. **Frontiers in Microbiology**; Vol.6 Article No 611. DOI: <https://dx.doi.org/10.3389/fmicb.2015.00611> (IF: 5.640).
- **Bhanu Malhotra, Anu Keshwani, Harsha Kharkwal** (2015) Natural Polymer based Cling Films for Food Packaging, **International Journal of Pharmacy and Pharmaceutical Sciences**; Vol. 7: 10-18 (IF: 0.56)
- **Preeti Panthari, Pranauv, Monika Joshi, Harsha Kharkwal** (2014), Synthesis, Characterization and Evaluation of Antibacterial Efficacy, Antioxidant Potential Silver nanoparticle using Myricanagi leaf extract, **International Journal of Phytomedicine**, 6(4): 556-563 (IF: 1.23).
- **Manisha Sharma, Preeti Panthari, Palpu Pushpangadan, Ajit Varma, Harsha Kharkwal** (2014) Phytochemical Analysis of Glycosides from Leaves of Trigonella foenum graecum, **International Journal of Pharmaceutical Sciences Review and Research**; 29(1): 146-152 (IF: 2.19)
- **Harsha Kharkwal, Preeti Panthari, Amit Kharkwal, Harendra Kharkwal** (2014), Anti-termite activity of Heartwood of Dalbergia Sisso Roxb.Ex. DC., **World Journal of Pharmacy and Pharmaceutical Sciences**; 3(6); 673-679. (IF: 7.632)
- **Manish Kant Pant, Amit Kharkwal, Preeti Panthari, Harsha Kharkwal** (2014), Curcumin: A wonder Drug, **World Journal of Pharmacy and Pharmaceutical Sciences**; 3(6); 374-396. (IF: 7.632).
- **P Tiwari, P Panthari, D P Katare, Harsha Kharkwal** (2014), Natural Polymers in Drug Delivery, **World Journal of Pharmacy and Pharmaceutical Sciences**; 3(9); 1395-1509 (IF: 7.632).
- **Kharkwal H, Joshi DD, Panthari P, Pant MK, Kharkwal AC** (2013), Formulation and In-Vitro evaluation of sun protection factor of Myricanagi ethyl acetate extract sunscreen cream, **International Journal of Advances in Pharmaceutical Research**; 4(10): 0010-0014 (IF:0.524)

- **Panthari P, Joshi DD, Kharkwal H.** (2013) Investigations on Myricanagi leaves: Phytochemical screening and physicochemical evaluation **World Journal of Pharmacy and Pharmaceutical Sciences, 2(5): 2867-2873 (IF: 7.632)**
- **Preeti Panthari, Harsha Kharkwal,** Harendra Kharkwal and Devi Datt Joshi (2012) Myrica nagi: A Review on Active Constituents, Biological and Therapeutic effects **International Journal of Pharmacy and Pharmaceutical Sciences 4(5): 38-42 (IF: 1.59)**
- **Harsha Kharkwal,** Devi Datt Joshi, **Preeti Panthari,** Amit C Kharkwal (2012) Algae as future drugs **Asian Journal of Pharmaceutical and Clinical Research 5(4): 1-5 (IF: 0.51)**
- **Harsha Kharkwal, Preeti Panthari,** Manish Kant Pant, Amit C Kharkwal, Harendra Kharkwal and Devi Datt Joshi (2012) Foaming Glycosides: A review **IOSR Journal of Pharmacy, 2(5): 23-28.**
- **Sharma M, Chauhan G,** Chandra A, Pushpangadan P, Varma A and **Kharkwal H** (2011) Piriformosporaindica Varma and Franken mediated enhancement of Biomass and diosgenin production in *Trigonellafoenum-graecum*, **International Journal of Phytomedicines and Related Industries, 3(3): 217-226 (ICV-5.40). (IF: 0.16)**
- **G. Chauhan, M. Sharma,** P. Pushpangadan and **H. Kharkwal** (2011) Pharmacognostic, Preliminary Phytochemical Studies and Anticancerous Potential of *Trigonellafoenum-graecum*. **International Journal of Pharmaceutical Science; 1(1): 350-359. (IF: 3.958)**
- **Chauhan Geetanjali, Sharma Manisha,** Varma Ajit and **Kharkwal Harsha** (2010), Phytochemical analysis and anti-inflammatory potential of fenugreek. **Medicinal Plants - International Journal of Phytomedicines and Related Industries; 2(1): 39-44 (ICV-5.40). (IF: 0.44)**
- **Sharma M, Chauhan G,** Pushpangadan P, Varma A and **Kharkwal H** (2010), Herbal Contraception: A call for Education and Research. **International Journal of Phytomedicines and Related Industries; 2(1): 21-31 (ICV-5.40). (IF: 0.16)**

Patents

S. No.	Title of the Patent	Inventor(s)
1.	A Method for Preparing an Herbal Drink Composition	<ul style="list-style-type: none"> • Harsha Kharkwal • Subhash Chander • Neerupma Dhiman • Bhupesh Sharma • Amit C Kharkwal • R. Valavan
2.	Novel Formulation for Treating Cancer	<ul style="list-style-type: none"> • Harsha Kharkwal • Preeti Panthari • D.D Joshi • Manish Kant Pant • Deepshikha Pande Katare
3.	An Herbal Healing Cream Formulation for Cracked Heels	<ul style="list-style-type: none"> • D.D. Joshi • Manish Kant Pant • Harsha Kharkwal
4.	Herbal Nail Polish	<ul style="list-style-type: none"> • Manish Kant Pant • Harsha Kharkwal • D.D. Joshi

5.	An improved method for isolation and purification of Berberine from species containing Berberine	<ul style="list-style-type: none"> • Manish Kant Pant • Harsha Kharkwal • D.D. Joshi
6.	A novel composition for the preparation of herbal tea	<ul style="list-style-type: none"> • Preeti Panthari • Harsha Kharkwal • Hina Sanwal • Amit C Kharkwal • Ram Prasad • Devi Datt Joshi
7.	An Herbal Sunscreen Protection Cream	<ul style="list-style-type: none"> • Preeti Panthari • Harsha Kharkwal • D.D. Joshi
8.	Green synthesis of silver nanoparticles using ethanolic extract of Zanthoxylum leaves	<ul style="list-style-type: none"> • Harsha Kharkwal • Monika Joshi • Preeti Panthari • Pranaav Balaji
9.	Novel synthesis of magnetic Iron Oxide nanoparticles using cinnamon leaf extract	<ul style="list-style-type: none"> • Harsha Kharkwal • Monika Joshi • Preeti Panthari • Pranaav Balaji
10.	Novel Extraction Procedure for Dark Herbal Colours	<ul style="list-style-type: none"> • Harsha Kharkwal • Preeti Panthari