



(2). Dr. Gaurav Kaithwas Associate Professor

Qualification: M.Pharm., Ph.D.

Teaching Experience: 12.5 Years

Research Experience: concurrent with teaching

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Area of Specialization

Bioactive lipids mediated regulation of hypoxia inducible factor-1 α (HIF-1 α), prolyl hydroxylase-2 and fatty acid synthase regulation in mammary gland carcinoma

Research Project

- 1-Completed: 02 (6 Lakhs + 46.14 Lakhs)
- 2-Ongoing: 01 (49.24 Lakhs)

Patents

- 1-**Gaurav Kaithwas**, Daksh Bhatia. *Perilla Frutescens* Fixed oil: Efficacy against Bovine Mastitis. **No.: 2077/DEL/2013. (Evaluation completed)**
- 2-Nikilesh Kumar, Ram Naresh Bhargava, **Gaurav Kaithwas**. Disinfecting and cleansing composition of *L. usitattissimum* Fixed oil. **No. 1905/DEL/2013. (Evaluation completed)**

Publications and other than journal articles (Books, chapters in books)

- 1-Books/Monographs : 02 (International)
- 2-Chapters: 04 (03- International) (01- National)

Research Publications

(Cumulative Impact Factor- 112.345)

(Average Impact Factor-2.16)

1. S Roy, M Singh, A Rawat, U Devi, S Gautam, RK Yadav, JK Rawat.. **Gaurav Kaithwas***, [GLA supplementation regulates PHD2 mediated hypoxia and mitochondrial apoptosis in DMBA induced mammary gland carcinoma](#). The international journal of biochemistry & cell biology 96, 51-62. . **(IF-3.505)**.
2. RK Yadav, M Singh, S Roy, MN Ansari, AS Saeedan, **Gaurav Kaithwas***. [Modulation of oxidative stress response by flaxseed oil: Role of lipid peroxidation and underlying mechanisms](#). Prostaglandins & Other Lipid Mediators (In Press) **(IF-2.640)**.
3. S Gautam, P Singh, M Singh, S Roy, JK Rawat, RK Yadav, U Devi, ... **Gaurav Kaithwas***. [Rifaximin, a pregnane X receptor \(PXR\) activator regulates apoptosis in a murine model of breast cancer](#). RSC Advances 8 (7), 3512-3521. **(IF-3.10)**.
4. V Rani, S Gautam, JK Rawat, M Singh, U Devi, RK Yadav, S Roy, .. **Gaurav Kaithwas***. [Effects of minocycline and doxycycline against terbutaline induced early postnatal autistic changes in albino rats](#) Physiology & behavior 183, 49-56. **(IF-2.314)**.

5. Subhadeep Roy, Atul Kumar Rawat, Shreesh Raj Sammi, Uma Devi Manjari Singh, Swetlana Gautam, Rajnish Kumar Yadav, Jitendra Kumar Rawat, Lakhveer Singh, Md Nazam Ansari, Abdulaziz S. Saeedan, Rakesh Pandey, Dinesh Kumar, **Gaurav Kaithwas***. Alpha-linolenic acid arbitrates mitochondrial apoptosis, curbs hypoxic microenvironment and de novo fatty acid synthesis to impart anticancer effects. *Oncotarget* (In Press) (2017)(**IF- 5.008**).
- 6 Malti Arya, Prakash Tiwari, Chandra Bhushan Tripathi, Poonam Parashar, Mahendra Singh, Priyam Sinha, Narayan P Yadav, **Gaurav Kaithwas**, Krishna P Gupta, Shubhini A Saraf. Colloidal vesicular system of Inositol hexaphosphate to counteract DMBA induced dysregulation of markers pertaining to cellular proliferation/differentiation and inflammation of epidermal layer in mouse model. *Molecular Pharmaceutics*. 14(3):928-939; 2017. (**IF-4.3**).
7. 7-Gaurav Kaithwas. GLP-1 Receptor Agonistic and Antidiabetic Activity Of Mefloquine Against Stz-Na Induced Diabetes In Albino Wistar Rats. *Journal of Hypertension*. 16-29, 2016 (**IF-5.06**)
8. Asha Rani, Subhadeep Roy, Manjari Singh, Uma Devi, Rajnish K Yadav, Swetlana Gautam, Jitendra K Rawat, Mohd. Nazam Ansari, Abdulaziz S. Saeedan, Anand Prakash, **Gaurav Kaithwas**. α -Chymotrypsin Regulates Free Fatty Acids and UCHL-1 to Ameliorate N-Methyl Nitrosourea Induced Mammary Gland Carcinoma in Albino Wistar Rats. *Inflammopharmacology*. 24(5):277-286; 2016 (**IF-2.304**).
9. Sneha Yadav, Virendra Tiwari, Manjari Singh, Rajnish K Yadav, Subhadeep Roy, Uma Devi, Swetlana Gautam, Jitendra Kumar Rawat, Mohd. Nazam Ansari, Abdulaziz Sa Saeedan. Anand Prakash, Shubhini A Saraf, **Gaurav Kaithwas**. Comparative Efficacy of Alpha Linolenic Acid and Gamma Linolenic Acid to attenuate Valproic acid Induced Autism like features. *Journal of Physiology and Biochemistry*. 73(2):187-198; 2016 (**IF-2.054**).
10. Virendra Tiwari, Manjari Singh, Jitendra K. Rawat, Uma Devi, Rajnish K. Yadav, Subhadeep Roy, Swetlana Gautam, Shubhini A. Saraf, Vikas Kumar, Nazam Ansari, Abdulaziz S. Saeedan, **Gaurav Kaithwas**. Redefining the role of peripheral LPS as a neuroinflammatory agent and evaluating the role of hydrogen sulphide through metformin intervention. *Inflammopharmacol*, 24(5):253-264 (**IF- 2.304**).
11. Chetan Manral, Subhadeep Roy, Manjari Singh, Swetlana Gautam, Rajnish K. Yadav, Jitendra K Rawat, Uma Devi, Md Nazam Ansari, Abdulaziz S. Saeedan and **Gaurav Kaithwas**. Effect of β -sitosterol against methyl nitrosourea-induced mammary gland carcinoma in albino rats. *BMC Complementary and Alternative Medicine* (2016) 16:260. (**IF-2.04**).
12. [Rakesh Kumar Mishra](#), [Shreesh Raj Sammi](#), [Jitendra K Rawat](#), [Subhadeep Roy](#), [Uma Devi](#), [Swetlana Gautam](#), [Manjari Singh](#), [Rajnish Kumar Yadav](#), [Md. Nazam Ansari](#), [Abdulaziz S Saeedan](#), [Rakesh Pandey](#), [Shubhini A Saraf](#) and **Gaurav Kaithwas**. Palonosetron attenuates 1,2-dimethyl hydrazine induced preneoplastic colon damage through downregulating acetylcholinesterase expression and up-regulating synaptic acetylcholine concentration. *RSC Advances*, 2015, **6**, 40527-40538. (**IF-3.84**)
13. Neha Sharma, Swetlana Gautam, Uma Devi, [Manjari Singh](#), [Jitendra K Rawat](#), Nikunj Sethi, Shubhini A Saraf, **Gaurav Kaithwas**. Preclinical appraisal of terbutaline analogues in precipitation of autism spectrum disorder. *RSC Advances*, **5**, 39003-39011, 2015 (**IF- 3.78**).
14. Arvind Kumar Giri, [Jitendra K Rawat](#), [Manjari Singh](#), Swetlana Gautam, **Gaurav Kaithwas***. Effect of lycopene against gastroesophageal reflux disease in experimental animals. *BMC Complement Altern Med*. 2015; 15: 110. (**IF- 2.04**)
15. [Sukesh K Gupta](#), [Swetlana Gautam](#), [Manjari Singh](#), [Jitendra K Rawat](#), [Shubhini A Saraf](#) and **Gaurav Kaithwas*** Efficacy of Variable Dose of Aspirin to Combat Methotrexate Induced Intestinal Toxicity in Albino Rats. *RSC Advances*. 2015,**5**, 9354-9360. (**IF- 3.84**)
16. [Prince Raj](#), [Manjari Singh](#), [Jitendra Kumar Rawat](#), [Swetlana Gautam](#), [Shubhini A. Saraf](#) and **Gaurav Kaithwas*** Effect of enteral administration of α -linolenic acid and linoleic acid against methotrexate induced intestinal toxicity in albino rats. *RSC Advances* 2014,**4**, 60397-60403. (**IF- 3.84**)

17. Seema Chauhan, Uma Devi, Venkatesh R Kumar, Vikas Kumar, Firoz Anwar, **Gaurav Kaithwas** *. [Dual inhibition of arachidonic acid pathway by mulberry leaf extract](#). *Inflammopharmacology*. 23(1):65-70, 2014 **[IF-2.304]**.
18. Suchita Dubey, Swetlana Gautum, **Gaurav Kaithwas** *. [Comment on "Disruption of social approach by MK-801, amphetamine & fluoxetine in adolescent C57BL/6J mice"--by S. Moy et al](#). *Neurotoxicol Teratol*. 2014; 41:96. **(IF-3.082)**
19. Richa Anand, **Gaurav Kaithwas** *. Antiinflammatory activity of Alpha Linolenic Acid mediated through COX-2 Inhibition: Experimental and Computational data. *Inflammation* (In Press) (PMID: 24639012) **(IF-2.45)**.
20. Pradeep Khinchi, Sudipta Saha, Shubhini A. Saraf, **Gaurav Kaithwas** *. Combination Therapy of Gamma-Aminobutyric Acid Derivative Promotes Proton Pump Inhibitor Based Healing of Reflux Esophagitis in Animal Model. *Pharmacological Reports*. 2014. [66\(1\)](#), 165–168 **(IF: 2.445)**.

Conferences, Seminars and presented lectures

Invited Lectures: 08

Paper Presentations: 04

Awards and Recognitions

- 1-Raman Postdoctoral Fellowship- M D Anderson Cancer Res Institute, Texas (Could not avail)
- 2-Young Scientist Award, European Inst. of Scientific Research on Ayurveda, Netherland, 2015
- 3-IASc-INSA-NASI Summer Training Fellowship- National Institute of Immunology, New Delhi
- 4-INSA Visiting Scientist Fellowship- Department of Biophysics, AIIMS, New Delhi
- 5-GATE Fellowship, 2013- Department of Pharmacology, Jamia Hamdard. New Delhi

Memberships of the Professional Bodies

- 1-Association of Pharmacy Teachers of India: UPLM- 126
- 2-Science Advisory Board, USA- Life Member: 101350
- 3-Laboratory Animal Science Association of India: Life Member