

Name- Prof. (Dr.) Gaurav Kaithwas
Designation- Associate Professor
Department- Pharmaceutical Sciences
School- School of Biomedical & Pharmaceutical Sciences



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Education Qualification

	Organization	Year of award
Undergraduate	College of Pharmacy, University of Delhi	2003
Post-graduation	Department of Pharmacology, Faculty of Pharmacy, Jamia Hamdard,	2005
Ph.D.	Allahabad Agricultural Institute- Deemed to be University	2010
Post-Doctoral Training	-	-

Professional Experience (In Years)

Teaching Experience: 15 Years

Research Experience: 15 Years

Areas of Research (Maximum Five Bullet Points)

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Research/Consultancy Grants

Title of Projects	Funding Agency	Duration (Specific Dates)	Total grant	Role (PI/CO-PI/Mentor)
Development & standardization of USD & ECG gel.	Merk Inc, Sainik Nagar, Lucknow, India. Rs. 20,000/-	1 Month	Completed	-
A comprehensive strategy to study the transcriptional activity of HIF-1 through on C terminal transactivation and N-terminal transactivation domain.	DHR Rs.19,97,600/-	2 Years	Ongoing	Mentor
RNAi application and SiRNA formulation in hypoxia inducible factor-1: Treatment	ICMR Rs.20,22,720/-	3 Years	Ongoing	Mentor

for Cancer Therapeutics.				
Prolylhydroxylase2(PHD2) mediated stabilization of HIF-1 α to regulate glycolysis and fatty acid synthesis in mammary gland chemoprevention.	SERB Rs.46,61,000/-	4 Years	Ongoing	PI
Extraction, Purification and Formulation of ω -3 PUFAs Dosage Form Derived from Plant Sources as a Health Supplement: A Replacement Strategy for Marine Based PUFAs.	MOFPI Rs.60,35,200/-	3 Years	Ongoing	PI
Formulation of ω -3 PUFAs Dosage Form Derived from Plant Sources as a Health Supplement.	DST Rs.70,09,990/-	3 Years	1 st Release Awaited	PI
Effect of α -Linolenic acid and γ -Linolenic acid on Breast Cancer Risk: Evaluation of Synergistic Efficacy with an Anticancer Drug.	SERB Rs.46,14,000/-	4 Years	Completed	PI
Effect of Eicosapentanoic acid (EPA) and Docosahexanoic acid (DHA) on Intestinal Mucosal Barrier Function against Methotrexate Induced Toxicity in Albino Rats.	UGC Rs. 6,00,000/-	2 Years	Completed	PI

Publications

International				
Author/s (Year), Title, Name of Journals, Volume (Issue), Page no.				
Author/s (Year)	Title	Name of Journals	Volume (Issue)	Page no.
Chowdhary P, Sammi SR, Pandey R, Kaithwas G , Raj A, Singh J, Bharagava RN. 2020 Dec 1; 261:	Bacterial degradation of distillery wastewater pollutants and their metabolites characterization and its toxicity evaluation by using <i>Caenorhabditis elegans</i> as terrestrial test models.	Chemosphere	1261	127-689.
Pal AK, Nandave M, Kaithwas G . 2020 Aug	Chemoprophylactic activity of nitazoxanide in experimental model of mammary gland carcinoma in rats.	3 Biotech	10(8)	1-2.
Devi U, Singh M, Roy S, Tripathi AC, Gupta PS, Saraf SK, Ansari MN, Saeedan AS, Kaithwas G*	PHD-2 activation: a novel strategy to control HIF-1 α and mitochondrial stress to modulate mammary gland pathophysiology in ER ⁺ subtype	Naunyn-Schmiedeberg's archives of	2019 Jun 1:	1-8.

		pharmacol og.(2.058)		
Kaithwas G* , RAWAT JK, Roy S, Singh M, Gautam S, Yadav R, Ansari MN, Aldossary SA, Saeedan AS.	Transcutaneous vagus nerve stimulation regulates the cholinergic anti-inflammatory pathway to counteract 1, 2- dimethyl hydrazine induced colon carcinogenesis in albino wistar rats.	Frontiers in pharmacol ogy.	10:353	53
Yadav RK, Tripathi CB, Saraf SA, Ansari MN, Saeedan AS, Aldosary S, Rajinikanth PS, Kaithwas G* .	Alpha-linolenic acid based nano-suspension protect against lipopolysaccharides induced mastitis by inhibiting NFκBp65, HIF-1α, and mitochondria-mediated apoptotic pathway in albino Wistar rats.	Toxicology and applied pharmacol ogy.	14:1	146 28.
Roy S, Singh M, Sammi SR, Pandey R, Gaurav Kaithwas* .	ALA-mediated biphasic downregulation of α-7nAChR/HIF-1α along with mitochondrial stress modulation strategy in mammary gland chemoprevention	Journal of cellular physiology	234, no. 4:	401 5- 402 9.
Arya M, Singh P, Tripathi CB, Parashar P, Singh M, Kanoujia J, Guleria A, Gaurav Kaithwas , Gupta KP, Saraf SA.	Pectin-encrusted gold nanocomposites containing phytic acid and jacalin: 1, 2- dimethylhydrazine-induced colon carcinogenesis in Wistar rats, PI3K/Akt, COX-2, and serum metabolomics as potential targets	Drug delivery and translatio nal research.	9(1):	53- 65.
Anand A, Arya M, Gaurav Kaithwas , Singh G, Saraf SA.	Sucrose stearate as a biosurfactant for development of rivastigmine containing nanostructured lipid carriers and assessment of its activity against dementia in C. elegans model	Journal of Drug Delivery Science and Technolog y.	49:2	19- 26.
Parashar P, Tripathi CB, Arya M, Kanoujia J, Singh M, Yadav A, Gaurav Kaithwas , Saraf SA.	A synergistic approach for management of lung carcinoma through folic acid functionalized co-therapy of capsaicin and gefitinib nanoparticles: Enhanced apoptosis and metalloproteinase-9 down- regulation.	Phytomedi cine.	53:1	07- 23.
Devi U, Singh M, Roy S, Gupta PS, Ansari MN, Saeedan AS, Gaurav Kaithwas* .	Activation of prolyl hydroxylase-2 for stabilization of mitochondrial stress along with simultaneous downregulation of HIF-1α/FASN in ER+ breast cancer subtype.	Cell Biochemis try and Function.	5	201 9 Apr 5.
Tripathi CB, Parashar P,	Biotin anchored nanostructured	Journal of	5	1-6.

Arya M, Singh M, Kanoujia J, Gaurav Kaithwas , Saraf SA.	lipid carriers for targeted delivery of doxorubicin in management of mammary gland carcinoma through regulation of apoptotic modulator.	liposome research.		
Singh L, Aldosary S, Saeedan AS, Ansari MN, Gaurav Kaithwas* .	Prolyl hydroxylase 2: a promising target to inhibit hypoxia-induced cellular metabolism in cancer cells.	Drug discovery today.	23(11)	187-82.
Tripathi CB, Parashar P, Arya M, Singh M, Kanoujia J, Gaurav Kaithwas , Saraf SA.	QbD-based development of α -linolenic acid potentiated nanoemulsion for targeted delivery of doxorubicin in DMBA-induced mammary gland carcinoma: in vitro and in vivo evaluation.	Drug delivery and translational research.	8(5)	131-34.
Saeedan AS, Singh I, Ansari MN, Singh M, Rawat JK, Devi U, Gautam S, Yadav RK, Gaurav Kaithwas* .	Effect of early natal supplementation of paracetamol on attenuation of exotoxin/endotoxin induced pyrexia and precipitation of autistic like features in albino rats.	Inflammo pharmacology.	26(4)	951-61.
Gautam S, Rani S, Aldossary SA, Saeedan AS, Ansari MN, Gaurav Kaithwas* .	Effects of phenidone (DuCLOX-2/5 inhibitor) against N-methyl-N-nitrosourea induced mammary gland carcinoma in albino rats.	Toxicology and applied pharmacology.	51	57-63.
Yadav RK, Rawat JK, Gautam S, Singh M, Kumar M, Ansari MN, Roy S, Saeedan AS, Kaithwas G* .	“Antidiabetic activity of mefloquine via GLP-1 receptor modulation against STZ-NA-induced diabetes in albino wistar rats”.	3 Biotech.	8(5)	240.
Al-Saeedan AS, Gautam V, Ansari MN, Singh M, Yadav RK, Rawat JK, Devi U, Gautam S, Roy S, Gaurav Kaithwas .	Revisiting the systemic lipopolysaccharide mediated neuroinflammation: Appraising the effect of L-cysteine mediated hydrogen sulphide on it.	Saudi pharmaceutical journal.	26(4):	520-7.
Gautam S, Rawat AK, Sammi SR, Roy S, Singh M, Devi U, Yadav RK, Singh L, Rawat JK, Ansari MN, Saeedan AS Gaurav Kaithwas*	“DuCLOX-2/5 Inhibition Attenuates Inflammatory Response and Induces Mitochondrial Apoptosis for Mammary Gland Chemoprevention”.	Front. Pharmacol .	9	314.
Manjari Singh, Uma Devi, Subhadeep Roy, Pushpraj S Gupta, Gaurav Kaithwas* .	“Chemical activation of prolyl hydroxylase-2 by BBAP1 down regulates hypoxia inducible factor-1 α and fatty acid synthase for mammary gland chemoprevention”.	RSC Adv.	8(23):	128-60.
Yadav RK, Singh M, Roy S, Ansari MN, Saeedan AS, Kaithwas G* .	Modulation of oxidative stress response by flaxseed oil: Role of lipid peroxidation and underlying mechanisms.	Prostaglandins & other lipid mediators.	135:	21-6.
Roy S, Singh M, Rawat A,	“GLA supplementation	Int J	96:51	1-

Devi U, Gautam S, Yadav RK, Rawat JK, Ansari MN, Saeedan AS, Kumar D, Kaithwas G* .	regulates PHD2 mediated hypoxia and mitochondrial apoptosis in DMBA induced mammary gland carcinoma".	Biochem Cell Biol.		62.
Sammi SR, Rawat JK, Raghav N, Kumar A, Roy S, Singh M, Gautam S, Yadav RK, Devi U, Pandey R, Kaithwas G*	"Galantamine attenuates N,N-dimethyl hydrazine induced neoplastic colon damage by inhibiting acetylcholinesterase and bimodal regulation of nicotinic cholinergic neurotransmission".	European Journal of Pharmacology.	818:	174-83.
Vidhata Rani, Swetlana Gautam, Jitendra K. Rawat, Manjari Singh, Uma Devi, Rajnish K. Yadav, Subhadeep Roy, Gaurav Kaithwas* .	"Effects of minocycline and doxycycline against terbutaline induced early postnatal autistic changes in albino rats".	Physiology & Behavior	1;183	49-56.
Gautam S, Singh P, Singh M, Roy S, Rawat JK, Yadav RK, Devi U, Gupta PS, Saraf SA, Kaithwas G* .	"Rifaximin, a pregnane X receptor (PXR) activator regulates apoptosis in a murine model of breast cancer".	RSC Adv.	8(7):	3512-21.
Kumar V, Bhatt PC, Rahman M, Kaithwas G , Choudhry H, Al-Abbasi FA, Anwar F, Verma A.	Fabrication, optimization, and characterization of umbelliferone β -D-galactopyranoside-loaded PLGA nanoparticles in treatment of hepatocellular carcinoma: in vitro and in vivo studies.	International journal of nanomedicine	12	6747.
Amita Verma, Bahar Ahmed, Firoz Anwar, Mahfoozur Rahman, Dinesh Kumar Patel, Gaurav Kaithwas , Ravi Rani, Prakash C Bhatt, Vikas Kumar.	"Novel glycoside from Wedelia calendulacea inhibits diethyl nitrosamine-induced renal cancer via downregulating the COX-2 and PEG2 through nuclear factor- κ B pathway".	Inflammation pharmacology.	25(1)	159-75
Singh, Neelu; Parashar, Poonam; Tripathi, Chandra Bhushan; Kanoujia, Jovita; Kaithwas, Gaurav ; Saraf, Shubhini A	Oral delivery of allopurinol liposomes in treatment of gout in animal model	J Liposome Res.	27(2)	130-138
Roy S, Rawat AK, Sammi SR, Devi U, Singh M, Gautam S, Yadav RK, Rawat JK, Singh L, Ansari MN, Saeedan AS, Gaurav Kaithwas*	"Alpha-linolenic acid stabilizes HIF-1 α and downregulates FASN to promote mitochondrial apoptosis for mammary gland chemoprevention."	Oncotarget.	8(41)	70049-70071
Arya M, Tiwari P, Tripathi CB, Parashar P, Singh M, Sinha P, Yadav NP, Kaithwas G , Gupta KP, Saraf SA.	"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".	Mol. Pharmaceutics,	14(3)	928-39.
Sneha Yadav, Subhadeep Roy, Manjari Singh, Uma Devi, Rajnish K. Yadav,	Comparative Efficacy of Alpha Linolenic Acid and Gamma Linolenic Acid to attenuate Valproic acid Induced Autism	Journal of Physiology and Biochemis	73(2)	187-98

Swetlana Gautam, Jitendra K. Rawat, Mohd. Nazam Ansari, A. S. Saeedan, Anand Prakash, Gaurav Kaithwas* 2017	like features. Journal of Physiology and Biochemistry	try		
Asha Rani,Subhadeep Roy,M anjari Singh,Uma Devi, Rajnish K. Yadav, Swetlana Gautam, Jitendra K. Rawat, Mohd. Nazam Ansari, A. 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.	<u>Inflammo pharmacology</u>	Volume 24, 201 6, Issue 5	277 – 286.
Swetlana Gautam, Subhadeep Roy, Md Nazam Ansari, A. S. Saeedan, Shubhini A. Saraf, Gaurav Kaithwas* (2016).	DuCLOX-2/5 inhibition: a promising target for cancer chemoprevention. Breast Cancer	Breast Cancer	24(2)	180- 90
Uma Devi, V. Kumar, Pushpraj S Gupta, Suchita Dubey, Manjari Singh, Swetlana Gautam, Jitendra K Rawat, Subhadeep Roy, Rajnish Kumar Yadav, Mohd Nazam Ansari, Abdulaziz S. Saeedan, Gaurav Kaithwas*	Experimental Models for Autism Spectrum Disorder Follow-Up for the Validity. Review Journal of Autism and Developmental Disorders	Review journal of autism and developmen tal disorder	3(4)	358- 76
Amita Verma, P C Bhatt, Gaurav Kaithwas , Nikunj Sethi, Mohd Rashid, Yashwant Singh, Mahfoozur Rahman, Fahad Al-Abbasi. Firoz Anwar, Vikas Kumar.	Chemomodulatory effect <i>Melastoma</i> <i>Malabathricum</i> Linn against chemically induced renal carcinogenesis rats via attenuation of inflammation, oxidative stress, and early markers of tumor expansion.	<u>Inflammo pharmacology</u>	25(1)	159- 75.
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	Inflammo pharmacology	24(5)	253- 64.
Kumar V, Bhatt PC, Kaithwas G , Rashid M, Anwar F, Verma A. α -Mangostin Mediated Beni-Suef University Journal of Basic & Applied Sciences, 2016	Pharmacological Modulation of Hepatic Carbohydrate Metabolism in Diabetes Induced Wistar Rat.	BeniSuef University Journal of Basic and Applied Sciences	24(5)	233- 51.

Kumar V, Bhat PC, Sharma K, Sethi N, Kumar A, Sachan NK, Kaithwas G , Anwar F, Verma A, Ai-Abbassi FA., 2016	Melastoma Malabathricum Linn Attenuates Complete Freund's Adjuvant-Induced Chronic Inflammation in Wistar rats via Inflammation Response.	BMC Pharmacol and Toxicol	16(1)	510
Manjari Singh, Uma Devi, Subhadeep Roy, Pushpraj S Gupta, Shubhini A. Saraf, Gaurav Kaithwas* .	Prolyl hydroxylase mediated inhibition of fatty acid synthase to combat tumor growth in mammary gland carcinoma.	Breast Cancer	23(6):	820-9.
Raju Gautam, Manjari Singh, Swetlana Gautam, Jitendra Kumar Rawat, Shubhini A Saraf and Gaurav Kaithwas* . (2016)	Rutin attenuates intestinal toxicity induced by Methotrexate linked with anti-oxidative and anti-inflammatory effects.	BMC Complementary and Alternative Medicine	10;	16: 99.
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*.2016	Palonosetron attenuates 1,2-dimethyl hydrazine induced preneoplastic colon damage through downregulating acetylcholinesterase expression and up-regulating synaptic acetylcholine concentration.	RSC Adv.	(46):	405 27-38.
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*.2016	Effect of β -sitosterol against methyl nitrosourea-induced mammary gland carcinoma in albino rats.	BMC Complementary and Alternative Med.	16(1):	260.
Arvind Kumar Giri, Jitendra Kumar Rawat, Manjari Singh, Swetlana Gautam and Gaurav Kaithwas* . 2015	Effect of lycopene against gastroesophageal reflux disease in experimental animals	BMC Complementary and Alternative Medicine	15:	110
Neha Sharma, Swetlana Gautam, Uma Devi, Manjari Singh, Jitendra K. Rawat, Nikunj Sethi, Shubhini A. Saraf and Gaurav Kaithwas* . 2015	Preclinical appraisal of terbutaline analogues in precipitation of autism spectrum disorder.	RSC Adv	5,	390 03-390 11
Arun Kumar, Manjari Singh, Swetlana Gautam, Jitendra K Rawat, Shubhini A Saraf, Gaurav Kaithwas* . 2015	Effect of palonosetron (5HT-3 antagonist) and pantoprazole (PPI) against surgical esophagitis induced by forestomach and pylorus ligation in albino rats.	Human and Experimental Toxicology	35(1):	41-50.
Sukesh K Gupta, Swetlana Gautam, manjari	Efficacy of Variable Dose of Aspirin to Combat Methotrexate	RSC Advances	5,	935 4-

singh, Jitendra K Rawat, Shubhini A Saraf and Gaurav Kaithwas* 2015	Induced Intestinal Toxicity in Albino Rats.			936 0.
Prince Raj, Manjari Singh, Jitendra Kumar Rawat, Swetlana Gautam, Shubhini A. Saraf and Gaurav Kaithwas* 2014	Effect of enteral administration of α -linolenic acid and linoleic acid against methotrexate induced intestinal toxicity in albino rats.	RSC Advances	4,	603 97- 604 03.
Seema Chauhan, Uma Devi, Venkatesh R Kumar, Vikas Kumar, Firoz Anwar, Gaurav Kaithwas* 2014	Dual inhibition of arachidonic acid pathway by mulberry leaf extract.	Inflammo pharmacol ogy	23(1):	65- 70
Gaurav Saxena, Ram Naresh Bharagava, Gaurav Kaithwas , Abhay Raj. 2015	Microbial indicators, pathogens and methods for their monitoring in water environment	Journal of Water and Health	13(2):	319 -39
Sahu RK, Singh B, Saraf SA, Kaithwas G , Kishor K. 2014 Jun;	Photochemical toxicity of drugs intended for ocular use.	Arh Hig Rada Toksikol	65(2):	157- 67.
Shukla K, Raj P, Kumar A, Kumar M, Kaithwas G* . 2014 Mar 23.	Effect of monotherapy and combination therapy of pantoprazole and aprepitant in gastric esophageal reflux disease in albino rats.	Scientific World Journal	18	31- 47.
Prashant Singh, K Kumari, Gaurav Kaithwas , GK Mehrotra.	Efficient one-pot four- component synthesis of fused thiazolopyridin-2-ones in ionic liquid.	Journal of Chemical Sciences	125(6),	147 1- 148 0.
Richa Anand, Gaurav Kaithwas* .	Anti-inflammatory Potential of Alpha-Linolenic Acid Mediated through Selective COX Inhibition: Computational and Experimental Data.	Inflammat ion	37(4):	129 7- 306
Pradeep Khinchi, Sudipta Saha, Shubhini A. Saraf, Gaurav Kaithwas* . 2014	Combination Therapy of Gamma-Aminobutyric Acid Derivative Promotes Proton Pump Inhibitor Based Healing of Reflux Esophagitis in Animal Model.	Pharmacol ogical Reports	<u>66(1)</u> ,	165 - 168
Ekta Arya, Sudipta Saha, Shubhini A Saraf, Gaurav Kaithwas* . 2014	Effect of <i>Perilla frutescence</i> Fixed oil on Experimental Esophagitis in Albino Wistar Rats	Biomed Research Internatio na	98137 2,	6
Gaurav Kaithwas , Prashant Singh, Daksh Bhatia.	Evaluation of <i>in-vitro</i> and <i>in-vivo</i> antioxidant potential of polysaccharides from Aloe vera (<i>Aloe barbadensis</i> Miller) gel.	Drug and Chemical Toxicology	37(2):	135 -43
Ram lal Lodhi, Subhini A Saraf, Gaurav Kaithwas , Sudipta Saha*. 2013.	Evaluation of Mechanism of hepatotoxicity of leflunomide using albino rats.	Afr. J Pharm Pharmacol	7(24),	162 5- 163 1.
Gaurav Kaithwas and Dipak	Effect of <i>L. usitatissimum</i>	ISRN	73	51-

K. Majumdar*. 2013	(Flaxseed/Linseed) Fixed Oil against Distinct Phases of Inflammation.	Inflammation		58.
Gaurav Kaithwas , Dipak K Majumdar*. 2012	<i>In –Vitro</i> Antioxidant and <i>In – Vivo</i> Antidiabetic, Antihyperlipidemic Activity of Linseed oil Against Streptozotocin-Induced Diabetes in Albino Rats.	European Journal of Lipid Science and Technology	114(11)	123 7- 124 5
Nishant Renu, Gaurav Kaithwas* , P W Ramteke, Shubhini A Saraf: 2012	Effect of <i>Linum usitatissimum</i> (Linseed/Flaxseed) Fixed oil on Experimental Esophagitis in Albino Rats.	ACTA Gastroenterologica Belgica	75(3):	331 -5
Gaurav Kaithwas* , Raju Gautam, Sanjay M Jachak, Arvind Saklani: 2012	Antiarthritic effects of <i>Ajuga bracteosa</i> Wall ex Benth. in acute and chronic models of arthritis in albino rats.	Asian Pacific Journal of Tropical Biomedicine	11,	932 - 938 .
Gaurav Kaithwas* , Satya D Sharma, Dipak K Majumdar: 2010	Abattoir-sourced Isolated Ileum from <i>Gallus gallus domesticus</i> as an Experimental Tool,	Alternative to Laboratory Animals	49	260 - 268
Alok Sharma, Gaurav Kaithwas , M.Vijayakumar, M.K. Unnikrishnan, Ch.V. Rao*: 2012	Antihyperglycemic and antioxidant potential of polysaccharide fraction from <i>Portulaca oleracea</i> seeds against streptozotocin-induced diabetes in rats.	Journal of Food Biochemistry	2(3),	185 - 188
Gaurav Kaithwas , Dipak K. Majumdar*: 2010	Therapeutic effect of <i>Linum usitatissimum</i> (flaxseed/linseed) fixed oil on acute and chronic arthritic models in albino rats.	Inflammation pharmacology	38,	1-6,
Gaurav Kaithwas , Dipak K. Majumdar* 2010;	Evaluation of antiulcer and antisecretory potential of <i>Linum usitatissimum</i> fixed oil and possible mechanism of action.	Inflammation pharmacology	36,	378 - 382
Gaurav Kaithwas , Alok Mukerjee, P. Kumar, Dipak K. Majumdar* 2011	<i>Linum usitatissimum</i> (linseed/flaxseed) fixed oil: antimicrobial activity and efficacy in bovine mastitis.	Inflammation pharmacology	18:	127 - 136 .
Alok Mukerjee*, Gaurav Kaithwas , PKS Visen, SA Saraf: 2007	Phytopharmacological screening of <i>Luffa acutangula</i> fruits for its antihepatotoxic activity,	Ars Pharm	18(3):	137 -45
Daksh Bhatia*, M K Gupta, Ankur Gupta, Mamta Singh, Gaurav Kaithwas ., 2008.	Pharmacognostical studies on <i>Centrathrum anthelminticum</i> Kuntze seeds	Natural Product Radiance	37(2):	135 -4
Gaurav Kaithwas* , Kiran Dubey, Daksh Bhatia, Akaash Deep Sharma, K.K.Pillai. (2007)	Reversal of sodium nitrite induced impairment of Spontaneous alteration by aloe vera gel: involvement of Cholinergic system .	Pharmacologyonline	7(24),	162 5- 163 1.
Gaurav Kaithwas* , Ajay	Investigation of comparative	Pharmacology	73 51-	239-

Kumar, Himanshu Pandey, Ajit Kumar Acharya, Mamta Singh, Daksh Bhatia, Alok Mukerjee. (2008).		antimicrobial activity of aloe vera gel and juice.		ogyonline	58.	243
Daksh Bhatia*, Mahesh Kumar Gupta, Abhay Bharadwaj, Minakshi Pathak, Gaurav Kathiwas , Mamta Singh. (2008)		Anti-diabetic activity of centratherum anthelminticum kuntze on alloxan induced diabetic rats.		Pharmacologyonline	3	1-5
National						
Author/s (Year),		Title,	Name of Journals,	Volume (Issue),	Page no.	
Suchita Dubey, Sudipta Saha, Gaurav Kaithwas , Shubhini A Saraf. 2015.		Effect of standardized fruit extract of <i>Luffa cylindrica</i> on oxidative stress markers in hydrogen peroxide induced cataract	Indian Journal of Pharmacology	47(6).	644-648	
Gaurav Kaithwas , Alok Mukerjee, A.K. Chaurasia, Dipak K Majumdar*: Indian J Exp Biol 2011, 11, 932-938.		Antiinflammatory, analgesic and antipyretic activities of <i>L. usitatissimum</i> (Flaxseed/Linseed) fixed oil,	Indian J Exp Biol	11,	932-938.	
Gaurav Kaithwas* , Kiran Dubey, K.K.Pillai: Indian J Exp Biol 2011, 49, 260-268		Effect of Aloe vera (<i>Aloe Barbadensis</i> Miller) gel on doxorubicin induced myocardial oxidative stress and calcium overload in albino rats.	Indian J Exp Biol	49,	260-268.	
Book Chapters						
Author/s (Year),	Title,	Name of Book,	Publisher,	Edition,	ISBN No.,	Page no.
Authored Books						
Author/s (Year), Title, Name of Book, Publisher, Edition, ISBN No., Page no.						
Edited Books						
Author/s	Title,	Name of	Publisher,	Edition,	ISBN No.,	Page no.

(Year),		Book,				
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Patents

	Inventors	Title and Award/Application no.
Awarded	Gaurav Kaithwas	Disinfecting and cleansing composition of <i>L. usitattissimum</i> Fixed oil. Patent Award No. 346841
Filed	Gaurav Kaithwas,	<ol style="list-style-type: none"> 1. <i>Perilla Frutescens</i> Fixed oil: Efficacy against Bovine Mastitis. No. 506/DEL/2013. (Reply to first examination report submitted) 2. Alpha linolenic acid based Nanosuspension for treatment of bovine Mastitis. (<u>13/08/2019</u>)

Research Supervision

	Completed	Ongoing
PG/M.Phil	45+	03
Ph.D	06	04
Post-Doctoral	-	02

Honors, Recognition and Awards

1. **Award of appreciation** for the work "*Modulating Prolyl Hydroxylase (PHD2) activity to alter glycolytic pathway and fatty acid synthase expression in tumor cells*" **Cancer Research Foundation, India, 2020.**
2. **Research and Academic Excellence Award** (2019 & 2014), "Life Sciences and Environmental Sciences", BBAU.
3. **Young Scientist Award** (2015), European Institute of Scientific Research on Ayurveda, **Netherland.**
4. **Raman Postdoctoral Fellowship (2013)**, *M D Anderson Cancer Research Institute*, Texas (Could not avail).
5. **INSA Visiting Scientist Award-** Department of Biophysics, **AIIMS**, New Delhi, Jun-Aug 2013.
6. **IASc-INSA-NASI Summer Training Fellowship-** National Institute of Immunology, New Delhi, Jun-Aug 2011.
7. **GATE Fellowship, 2003-** Department of Pharmacology, Faculty of Pharmacy, Jamia Hamdard, New Delhi.

Membership of 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

Seminar/Conference/Symposia /Workshops Organised

Please provide details wherein the faculty member has participated as a organizing Secretary

Countries Visited

*

Invited Lectures/Talks/Chair/Co-Chair in Seminar/Conference/Symposia/Workshops

- 1. Title of Lecture:** Comparative Efficacy of Alpha-Linolenic Acid and Gamma-Linolenic Acid to Promote Mitochondrial Apoptosis for Mammary Gland Chemoprevention.
Title of Conference: 8th International Translational Cancer Research Conference on “Inflammation and Immune System for Cancer Prevention and Treatment”.
Organized by: Department of Biochemistry, Institute of Science, Banaras Hindu University, India, during 13-16 February 2020.
- 2. Title of Lecture:** Alpha-linolenic acid stabilizes HIF-1 α and downregulates FASN to promote mitochondrial apoptosis for mammary gland chemoprevention.
Title of Conference: 13th International Symposium on “Cancer Prevention and Treatment”.
Organized by: Department of Cancer Biology, School of Life Sciences, Jawaharlal Nehru University (JNU), New Delhi-110067, India during 20-21 February 2020.
- 3. Title of Lecture:** Effect of plant lipids based nanosuspension on preclinical and clinical mastitis.
Title of Conference: Faculty Development Programme on “Herbal Nano-Pharmacology”2019
Organized by: KIET Group of Institutions, Ghaziabad, GBT University.
- 4. Title of Lecture:** Introduction to Patents and Their Applications.
Title of Conference: National Pharmacy Week
Organized by: Department of Pharmaceutical Sciences, Faculty of Health Sciences, Sam Higginbottom University of Agriculture, Technology & Sciences, Allahabad
- 5. Title of Lecture:** Terbutaline siblings and autistic spectrum disorder: Toxicity Revisited
Title of Conference: International Pharmaceutical Conference-2015, Nanoformulations and Translational Research: Small Getting Bigger
Organized by: Department of Pharm Sc, BBA University
- 6. Title of Lecture:** Modulating Prolyl Hydroxylase Activity to Alter Fatty Acid Synthase Expression in Tumor Hypoxia
Title of Conference: 6th NIPER (RBL)-CSIR-CDRI Symposium on “Current Scenario in Drug Discover & Development
Organized by: Central Drug Research Institute, Lucknow.
- 7. Title of Lecture:** Revisiting the role of paracetamol and exotoxin/endotoxin combination in precipitation of autistic like features in infant albino rats.
Title of Conference: 7th NIPER (RBL)-CSIR-CDRI Symposium on “Current Scenario in Drug Discover & Development
Organized by: Central Drug Research Institute, Lucknow, India.
- 8. Title of Lecture:** Art of Publishing Myths and Facts
Title of Conference: Importance of publishing Articles
Organized by: Pranveer Singh Institute of Technology, GBTU, Kanpur, India.
- 9. Title of Lecture:** Pharmaceutical Drug Development and Review Process
Title of Conference: National Seminar on “Trends in Research and Innovations in Life Sciences at Undergraduate Level

Organized by: Department of Zoology, Deen Dayal Upadhyaya College (University of Delhi), New Delhi, India.

10. **Title of Lecture:** Clinical Research Myths & Facts
Title of Conference: 6th Annual Conference of the Oncologist of North East India” Silchar, Assam
Organized by: Oncologist Society of North East India” Silchar, Assam, India.

Paper Presentations:

1. **Title:** Effect of Aloe vera mill gel on oxidative stress and role of cholinergic system
Title of Conference: International Conference on Recent Trends in Medicinal and Aromatic Plant Research
Organized by: Department of Life Sciences, Assam University, Silchar.
2. **Title:** Pharmacokinetics in Sports
Title of conference: National Conference on Biomechanics, 2004
Organized by: Indian Institute of Technology, New Delhi.
3. **Title:** Restructuring Pharmacy Curricula
Title of conference: Indian Hospital Pharmacist Association, Golden Jubilee, 2014
Organized by: Hospital Pharmacy Foundation, BBA University, Lucknow
4. **Title:** Smoking Habits among the youth of Delhi University
Title of conference: 56th IPC -Poster Presentation “Hospital Pharmacy”, 2004
Organized by: Indian Pharmaceutical Congress

Additional Information (If Any)

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Gaurav Kaithwas