

# Chandan Kumar Gautam

## List of Publications by Year in descending order

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Version: 2024-02-01

45  
papers

362  
citations

840776

11  
h-index

940533

16  
g-index

47  
all docs

47  
docs citations

47  
times ranked

230  
citing authors

#	ARTICLE	IF	CITATIONS
1	Novel Chitosan-Coated Niosomal Formulation for Improved Management of Bacterial Conjunctivitis: A Highly Permeable and Efficient Ocular Nanocarrier for Azithromycin. <i>Journal of Pharmaceutical Sciences</i> , 2021, 110, 3027-3036.	3.3	34
2	IRONMAN tunes responses to iron deficiency in concert with environmental pH. <i>Plant Physiology</i> , 2021, 187, 1728-1745.	4.8	29
3	Lipid Nanocarriers Overlaid with Chitosan for Brain Delivery of Berberine via the Nasal Route. <i>Pharmaceuticals</i> , 2022, 15, 281.	3.8	27
4	Quantitative determination of Dapoxetine Hydrochloride and Tadalafil using different validated spectrophotometric methods. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 226, 117611.	3.9	25
5	Development of Green and Efficient Extraction Methods of Quercetin from Red Onion Scales Wastes Using Factorial Design for Method Optimization: A Comparative Study. <i>Separations</i> , 2021, 8, 137.	2.4	22
6	Environmental impact of the reported chromatographic methods for the determination of the first FDA-Approved therapy for COVID-19 Patients, Remdesivir: A comparative study. <i>Microchemical Journal</i> , 2022, 176, 107242.	4.5	22
7	A Validated Green HPTLC Method for Quantitative Determination of Dapoxetine Hydrochloride and Tadalafil in Bulk and Pharmaceutical Formulations. <i>Journal of Chromatographic Science</i> , 2020, 58, 303-308.	1.4	15
8	Development of pyridazine derivatives as potential EGFR inhibitors and apoptosis inducers: Design, synthesis, anticancer evaluation, and molecular modeling studies. <i>Bioorganic Chemistry</i> , 2021, 106, 104473.	4.1	13
9	Isatin Counteracts Diethylnitrosamine/2-Acetylaminofluorene-Induced Hepatocarcinogenesis in Male Wistar Rats by Upregulating Anti-Inflammatory, Antioxidant, and Detoxification Pathways. <i>Antioxidants</i> , 2022, 11, 699.	5.1	13
10	Response surface methodology for optimization of micellar-enhanced spectrofluorimetric method for assay of foretinib in bulk powder and human urine. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 257, 119811.	3.9	12
11	Chemical characteristics and targeted encapsulated <i>Cordia myxa</i> fruits extracts nanoparticles for antioxidant and cytotoxicity potentials. <i>Saudi Journal of Biological Sciences</i> , 2021, 28, 5349-5358.	3.8	12
12	Partial least squares and linear support vector regression chemometric models for analysis of Norfloxacin and Tinidazole with Tinidazole impurity. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 239, 118513.	3.9	11
13	Simultaneous analysis of oxytetracycline hydrochloride, lidocaine, and bromhexine hydrochloride in the presence of many interfering excipients. <i>Archiv Der Pharmazie</i> , 2021, 354, e2100131.	4.1	9
14	VIT-CMJ2: Endophyte of <i>Agaricus bisporus</i> in Production of Bioactive Compounds. <i>Iranian Journal of Biotechnology</i> , 2016, 14, 19-24.	0.3	8
15	Stability indicating spectrophotometric methods for quantitative determination of bromazepam and its degradation product. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 238, 118433.	3.9	8
16	Assessment of Nasal-Brain-Targeting Efficiency of New Developed Mucoadhesive Emulsomes Encapsulating an Anti-Migraine Drug for Effective Treatment of One of the Major Psychiatric Disorders Symptoms. <i>Pharmaceutics</i> , 2022, 14, 410.	4.5	8
17	ESI-MS/MS for Therapeutic Drug Monitoring of Binary Mixture of Pregabalin and Tramadol: Human Plasma and Urine Applications. <i>Separations</i> , 2021, 8, 21.	2.4	7
18	Development and validation of a stability indicating RP-HPLC-DAD method for the determination of bromazepam. <i>PLoS ONE</i> , 2021, 16, e0244951.	2.5	7

#	ARTICLE	IF	CITATIONS
19	Comparative study of eco-friendly spectrophotometric methods for accurate quantification of Mebendazole and Quinamide combination; Content uniformity evaluation. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 235, 118271.	3.9	6
20	High-Performance Liquid Chromatography Method for Simultaneous Determination of Guaifenesin, Salbutamol Sulfate and Guaifenesin Impurity (Guaiacol). <i>Journal of Chromatographic Science</i> , 2021, 59, 419-424.	1.4	6
21	Application of Three Ecological Assessment Tools in Examining Chromatographic Methods for the Green Analysis of a Mixture of Dopamine, Serotonin, Glutamate and GABA: A Comparative Study. <i>Molecules</i> , 2021, 26, 5436.	3.8	6
22	Development and Validation of HPTLC and Green HPLC Methods for Determination of a New Combination of Quinamide and Mebendazole. <i>Journal of Chromatographic Science</i> , 2020, 58, 16-21.	1.4	5
23	Green and cost-effective extraction techniques of quercetin from mixture of nutraceuticals with yield analysis via spectrophotometry and high performance liquid chromatograph methods. <i>Journal of AOAC INTERNATIONAL</i> , 2021, , .	1.5	5
24	Quantitative Determination of Anti-Migraine Quaternary Mixture in Presence of <i>p</i> -Aminophenol and 4-Chloroacetanilide. <i>Journal of Chromatographic Science</i> , 2022, 60, 538-544.	1.4	5
25	Hexosomal Dispersion: A Nano-Based Approach to Boost the Antifungal Potential of Citrus Essential Oils against Plant Fungal Pathogens. <i>Molecules</i> , 2021, 26, 6284.	3.8	5
26	US FDA-validated green GC-MS method for analysis of gabapentin, tramadol and/or amitriptyline mixtures in biological fluids. <i>Bioanalysis</i> , 2020, 12, 1521-1533.	1.5	4
27	Ultraviolet cutoff area and predictive ability of partial least squares regression method: A pharmaceutical case study. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 231, 118116.	3.9	4
28	Impurity profiling high-performance thin-layer chromatography method involving the assay of essential human micronutrient niacin with eco-scale assessment. <i>Biomedical Chromatography</i> , 2020, 34, e4858.	1.7	4
29	Utilization of Polymeric Micelles as a Lucrative Platform for Efficient Brain Deposition of Olanzapine as an Antischizophrenic Drug via Intranasal Delivery. <i>Pharmaceuticals</i> , 2022, 15, 249.	3.8	4
30	Green HPLC-DAD and HPTLC Methods for Quantitative Determination of Binary Mixture of Pregabalin and Amitriptyline Used for Neuropathic Pain Management. <i>Journal of Chromatographic Science</i> , 2021, 59, 536-547.	1.4	3
31	Separation and Determination of Diflunisal and its Impurity by Two Chromatographic Methods: TLC-Densitometry and HPLC. <i>Journal of AOAC INTERNATIONAL</i> , 2021, 104, 1719-1725.	1.5	3
32	Development and Validation of Ecofriendly HPLC-MS Method for Quantitative Assay of Amoxicillin, Dicloxacillin, and Their Official Impurity in Pure and Dosage Forms. <i>Journal of Analytical Methods in Chemistry</i> , 2021, 2021, 1-9.	1.6	3
33	Adoption of Advanced Chemometric Methods for Determination of Pyridoxine HCl, Cyclizine HCl, and Meclizine HCl in the Presence of Related Impurities: A Comparative Study. <i>Journal of AOAC INTERNATIONAL</i> , 2022, 105, 630-640.	1.5	3
34	Validation and eco-scale assessment of stability-indicating HPTLC method for quantitative analysis of carbamazepine and its degradation product, iminostilbene, in pure forms, pharmaceutical preparations, and spiked human plasma. <i>Journal of Planar Chromatography - Modern TLC</i> , 2020, 33, 219-229.	1.2	2
35	Validated spectral manipulations for determination of an anti-neoplastic drug and its related impurities including its hazardous degradation product. <i>RSC Advances</i> , 2021, 11, 21332-21342.	3.6	2
36	A Quick Method to Quantify Iron in Arabidopsis Seedlings. <i>Bio-protocol</i> , 2022, 12, e4342.	0.4	2

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37	Three Spectrophotometric Methods for Quantitative Analysis of Duloxetine in Presence of its Toxic Impurity: 1-Naphthol. Journal of AOAC INTERNATIONAL, 2020, 103, 972-979.	1.5	1
38	Two Multivariate Calibration Models for Assay of Niacin in Complex Mixtures with Its Official Impurities: A Pharmaceutical Application. Journal of AOAC INTERNATIONAL, 2020, 103, 1660-1666.	1.5	1
39	Development and Validation of Two Chromatographic Methods for Simultaneous Determination and Quantification of Amiloride Hydrochloride, Hydrochlorothiazide, and Their Related Substances, in Pure and Tablet Forms. Journal of AOAC INTERNATIONAL, 2020, 103, 747-754.	1.5	1
40	Eco-Friendly Direct GC-MS Method for Estimation of Niacin and Related Impurities Involving Pyridine in Food Supplements. Separations, 2021, 8, 46.	2.4	1
41	Protective effects of perindopril against indomethacin-induced gastric mucosal damage through modulation of DDAH-1/ADMA and ACE-2/ANG-(1-7) signaling pathways. Drug and Chemical Toxicology, 2021, , 1-10.	2.3	1
42	Predicting the Kidney Graft Survival Using Optimized African Buffalo-Based Artificial Neural Network. Journal of Healthcare Engineering, 2022, 2022, 1-9.	1.9	1
43	Ecologically evaluated and FDA-validated HPTLC method for assay of pregabalin and tramadol in human biological fluids. Biomedical Chromatography, 2021, 35, e5023.	1.7	0
44	OUP accepted manuscript. Journal of AOAC INTERNATIONAL, 2021, , .	1.5	0
45	Impurity profiling UPLC methods for quantitative analysis of some antiemetics formulated with Pyridoxine. Biomedical Chromatography, 2022, , e5353.	1.7	0