

Bio-data



Name	Rajesh Dabur	
Date of Birth	06-06-1971	
Designation	Professor	
Nature of appointment	Regular	
Faculty	MD University	
Department/Centre/Institute	Biochemistry	
Date of Joining in the University	16-04-2012	
Date of Retirement	30-06-1931	
Contact Details	Mobile No.	-
	Email id	rajesh.biochem@mdurohtak.ac.in

1. Educational Qualifications (10th and onwards)

S. No.	Degree/ Certificate	Board / University	Passing year
1	10th	Board of School Education Haryana, Bhiwani	1987
2	10+2	Board of School Education Haryana, Bhiwani	1990
3	B.Sc.	MD University, Rohtak	1993
4	M.Sc.	Kurukshetra University Kurukshetra	1995
5	Ph.D.	Kurukshetra University Kurukshetra	2001

2. Teaching/Research experience

S. No.	Post	Name of Institution	Period	
			From	To
1	Associate Professor	MD University, Rohtak	16-04-2012 to 15-04-2015	
2	Professor	MD University, Rohtak	16-04-2015 to continue	

3. Details of Research Achievements

h-index (Google/SCOPUS)	31/24
Google Scholar link	citations?hl=en&user=qxacdLoAAAAJ
ORCID ID (if any)	0000-0001-7189-5188
LinkedIn ID (if any)	rajesh-dabur-07752464
Scopus ID	9332363000
Any other	-

S. No.	Year	Particulars / Details	Link to Article	Impact Factor (if any)
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1	2021	Singh A, Phogat J, Yadav A, Dabur R. The dependency of autophagy and ubiquitin proteasome system during skeletal muscle atrophy. Biophys Rev. 2021 Mar 4;13(2):203-219. doi: 10.1007/s12551-021-00789-7. PMID: 33927785; PMCID: PMC8046863.	10.1007/s12551-021-00789-7	3.7
2	2022	Yadav A, Yadav SS, Singh S, Dabur R. Natural products: Potential therapeutic agents to prevent skeletal muscle atrophy. Eur J Pharmacol. 2022 Jun 15;925:174995. doi: 10.1016/j.ejphar.2022.174995. Epub 2022 May 9. PMID: 35523319.	10.1016/j.ejphar.2022.174995.	4.4
3	2022	Yadav A, Shirolkar A, Dabur R. Impact of Ayurvedic drug <i>Tinospora cordifolia</i> in hyperlipidemia induced dysbiosis. Chemical Biology Letters. 2022 Apr 24;9(3):363-.		6.9
4	2022	Yadav A, Dabur R. Rapid Identification of 44 Steroids in Human Urine Samples using HPLCESI-QTOF-MS. Current Pharmaceutical Analysis. 2022 May 1;18(4):437-48.		1.5
5	2022	Shirolkar A, Yadav A, Nale A, Phogat J, Dabur R. Integrated omics analysis revealed the <i>Tinospora cordifolia</i> intervention modulated multiple signaling pathways in hypertriglyceridemia patients-a pilot clinical trial. J Diabetes Metab Disord. 2022 Feb 1;21(1):379-397.	10.1007/s40200-022-00985-6.	1.89
6	2022	Singh A, Yadav A, Phogat J, Dabur R. Dynamics and Interplay between Autophagy and Ubiquitin-proteasome system Coordination in Skeletal Muscle Atrophy. Curr Mol Pharmacol. 2022;15(3):475-486.	10.2174/1874467214666210806163851	2.9

7	2022	Yadav A, Singh A, Phogat J, Dahuja A, Dabur R. Magnoflorine prevent the skeletal muscle atrophy via Akt/mTOR/FoxO signal pathway and increase slow-MyHC production in streptozotocin-induced diabetic rats. J Ethnopharmacol. 2021 Mar 1;267:113510.	10.1016/j.jep.2020.113510.	4.4
8	2021	Yadav A, Dahuja A, Dabur R. Dynamics of Toll-like Receptors Signaling in Skeletal Muscle Atrophy. Curr Med Chem. 2021;28(28):5831-5846.	10.2174/09298673286662102021137	3.5
9	2020	Shirolkar A, Yadav A, Mandal TK, Dabur R. Intervention of Ayurvedic drug <i>Tinospora cordifolia</i> attenuates the metabolic alterations in hypertriglyceridemia: a pilot clinical trial. J Diabetes Metab Disord. 2020 Oct 16;19(2):1367-1379.	10.1007/s40200-020-00657-3.	1.89
10	2020	Gupta P, Dutt V, Kaur N, Kalra P, Gupta S, Dua A, Dabur R, Saini V, Mittal A. S-allyl cysteine: A potential compound against skeletal muscle atrophy. Biochim Biophys Acta Gen Subj. 2020 Oct;1864(10):129676.	10.1016/j.bbagen.2020.129676.	2.36
11	2020	Sharma B, Dutt V, Kaur N, Mittal A, Dabur R. <i>Tinospora cordifolia</i> protects from skeletal muscle atrophy by alleviating oxidative stress and inflammation induced by sciatic denervation. J Ethnopharmacol. 2020 May 23;254:112720.	10.1016/j.jep.2020.112720.	4.4
12	2020	Sharma B, Dabur R. Role of Pro-inflammatory Cytokines in Regulation of Skeletal Muscle Metabolism: A Systematic Review. Curr Med Chem. 2020;27(13):2161-2188.	10.2174/0929867326666181129095309.	3.5

13	2019	Sharma B, Yadav A, Dabur R. Interactions of a medicinal climber <i>Tinospora cordifolia</i> with supportive interspecific plants trigger the modulation in its secondary metabolic profiles. Sci Rep. 2019 Oct 4;9(1):14327.	10.1038/s41598-019-50801-0.	3.9
14	2018	Soni M, Prakash C, Dabur R, Kumar V. Protective Effect of Hydroxytyrosol Against Oxidative Stress Mediated by Arsenic-Induced Neurotoxicity in Rats. Appl Biochem Biotechnol. 2018 Sep;186(1):27-39.	10.1007/s12010-018-2723-5.	4.24
15	2018	Bhosale JD, Dabur R, Jadhav GP, Bendre RS. Facile Syntheses and Molecular-Docking of Novel Substituted 3,4-Dimethyl-1H-pyrrole-2-carboxamide/carbohydrazide Analogues with Antimicrobial and Antifungal Properties. Molecules. 2018 Apr 11;23(4):875.	10.3390/molecules23040875.	4.6
16	2017	Shirolkar A, Chakraborty S, Mandal T, Dabur R. Plasma metabolomics reveal the correlation of metabolic pathways and Prakritis of humans. J Ayurveda Integr Med. 2018 Apr-Jun;9(2):113-122.	10.1016/j.jaim.2017.05.002.	1.9
17	2017	Jain P, Nale A, Dabur R. Antimicrobial metabolites from <i>Saraca asoca</i> impairs the membrane transport system and quorum-sensing system in <i>Pseudomonas aeruginosa</i> . Arch Microbiol. 2018 Mar;200(2):237-253.	10.1007/s00203-017-1435-5.	2.94
18	2017	Dabur R, Shirolkar A, Mishra V, Yadav BS. Non-invasive Qualitative Urinary Metabolomic Profiling Discriminates Gut Microbiota Derived Metabolites in the Moderate and Chronic Alcoholic Cohorts. Curr Pharm Biotechnol. 2017;18(14):1175-1189.	10.2174/1389201019666180308093207.	2.91

19	2017	Rajesh Dabur. Identification of molecular pathways affected by treatment with heartwood water extract of <i>Pterocarpus marsupium</i> in MCF 7 cancer cell line. Herbal Medicine . Volume 9, September 2017, Pages 42-52	http://doi.org/10.1016/j.hermed.2017.04.001 .	1.9
20	2016	Gupta, P., Bala, M., Gupta, S., Dua, A.a, Dabur, R.b., Injeti, E., Mittal, A. Efficacy and risk profile of anti-diabetic therapies: Conventional vs traditional drugs—A mechanistic revisit to understand their mode of action. 2016, Pharmacological Research , 113, pp. 636-674	https://doi.org/10.1016/j.phrs.2016.09.029	9.1
21	2016	Amey Shirolkar, Rajesh Dabur. Administration of Fresh Juice of <i>Tinospora cordifolia</i> Decreases Levels of Urinary Markers of Peroxisome Proliferator-Activated Receptors in Hyperlipidemic Patients. Ind J Pharma Edu Res . 2016, 50,	10.5530/ijper.50.3.19	0.8
22	2016	Amey Shirolkar, Bhawana Sharma, Suman Lata, Rajesh Dabur. Guduchi Sawras (<i>Tinospora cordifolia</i>): An Ayurvedic drug treatment modulates the impaired lipid metabolism in alcoholics through dopaminergic neurotransmission and anti-oxidant defense system. Biomedicine & Pharmacotherapy . 2016. 83 , 1265–1277	https://doi.org/10.1016/j.biopha.2016.08.051	7.5
23	2016	Phougat, N., Chhillar, A.K., Prasad, A.K., Srivastava, S., Dabur, R. Coumarin derivatives as adjuvants: From in silico physicochemical characterization to in vitro evaluation against gram		1.25

		positive bacteria 2016. Combinatorial Chemistry and High Throughput Screening 19 (6), pp. 489-496		
24	2016	Dabur, R., Mittal, A. Detection and qualitative analysis of fatty acid amides in the urine of alcoholics using HPLC-QTOF-MS. 2016 Alcohol 52, pp. 71-78	https://doi.org/10.1016/j.alcohol.2016.03.004	2.5
25	2015	Bhosale, Jitendra, Umesh Fegade, Banashree Bondhopadhyay, Simanpreet Kaur, Narinder Singh, Anupam Basu, Rajesh Dabur, Ratnamala Bendre, and Anil Kuwar. "Pyrrole-coupled salicylimine-based fluorescence "turn on" probe for highly selective recognition of Zn ²⁺ ions in mixed aqueous media: Application in living cell imaging." Journal of Molecular Recognition (2015), 28(6):369-75.	10.1002/jmr.2451.	2.3
26	2015	Dutt Vikas, Gupta Snjeev, Dabur Rajesh , Injeti Elisha and Mittal Ashwani. Skeletal muscle atrophy: Potential therapeutic agents and their mechanisms of action. Pharmacological Research (2015), 99: 86–100	https://doi.org/10.1016/j.phrs.2015.05.010	9.1
27	2015	Kumari, Suman, Preeti Jain, Bhawana Sharma, Preeti Kadyan, and Rajesh Dabur . "In Vitro Antifungal Activity and Probable Fungicidal Mechanism of Aqueous Extract of Barleria Grandiflora." Applied Biochemistry and Biotechnology (2015): 1-14.	10.1007/s12010-015-1527-0	2.43
28	2015	Sharma, B., Dabur, R. Protective effects of <i>Tinospora cordifolia</i> on hepatic and gastrointestinal toxicity induced by chronic and moderate alcoholism. 2015 Alcohol and	https://doi.org/10.1093/alcalc/agv130	2.28

		Alcoholism 51 (1), agv130, pp. 1-10.		
29	2014	Phougat, N., Khatri, S., Singh, A., Dangi, M., Kumar, M., Dabur, R. , Chhillar, A.K. Combination therapy: The propitious rationale for drug development (2014) Combinatorial Chemistry and High Throughput Screening , 17 (1), pp. 53-67.	10.2174/13862073113166660065	1.25
30	2014	Singh, Seema, Rajesh Dabur , Madhumanjiri M. Gatne, Bharat Singh, Shilpi Gupta, Sharad Pawar, Sunil K. Sharma, and Gainda L. Sharma. "In Vivo Efficacy of a Synthetic Coumarin Derivative in a Murine Model of Aspergillosis." PloS one 9, no. 8 (2014): e103039.	https://doi.org/10.1371/journal.pone.0103039	2.6
31	2013	Bhosale, J.D., Shirolkar, A.R., Pete, U.D., Zade, C.M., Mahajan, D.P., Hadole, C.D., Pawar, S.D., Patil, U.D., Dabur, R. , Bendre, R.S. Synthesis, characterization and biological activities of novel substituted formazans of 3,4-dimethyl-1Hpyrrole-2-carbohydrazide derivatives (2013) Journal of Pharmacy Research , 7 (7), pp. 582-587.	https://doi.org/10.1016/j.jopr.2013.07.022	0.41
32	2013	Gahlaut, A., Dabur, R. , Chhillar, A.K. Anti-Aspergillus activity of selected medicinal plants (2013) Journal of Pharmacy Research , 6 (4), pp. 419-422.	https://doi.org/10.1016/j.jopr.2013.02.029	0.41
33	2013	Gahlaut, A., Gothwal, A., Hooda, V., Dabur, R. RAPD patterns of some important medicinal plants and their substitutes used in Ayurveda to identify the genetic variations (2013) International Journal of		0.21

		Pharmacy and Pharmaceutical Sciences, 5 (1), pp. 239-241.	
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4. Research & consultancy Projects

S. No.	Year	Details	Status
1	2019	Comparative chemo-profiling of <i>Tinospora cordifolia</i> (Willd.) in different sessions and with different supporting trees using RRLC-QTOFMS and multivariate analysis to maximize its use to treat diabetes. HSCST, Haryana. HSCST/R&D/2019/244. Rs 997000/-	Completed
2	2022	In vivo efficacy of 17-O-acetylacuminolide in combination with magnoflorine on oxidative stress and inflammation in sciatic denervation mice model of skeletal muscle atrophy	Completed
3	2024	Development and pharmaceutical evaluation of polymeric nano-niosomes of S-allyl cysteine and palmitate for targeted treatment of skeletal muscle atrophy. SERB-SURE, Letter No. SUR/2022/002535; Dated January 11, 2025); Total Sanctioned amount: Rs: 2398000/-	Ongoing

5. Research Supervision Overview

S. No.	Level	Degree Awarded	Thesis Submitted
1	Ph.D.	7	0
2	P.G.	46	0
3	U.G.	-	-

6. Patents/technology developed

S. No.	Year	Particulars / Details	Published/Granted
	-	-	-

7. Honors & Awards

S. No.	Title of Award	Awarding Agency	Particulars / Details
-	-	-	-

8. Details as Resource person (Seminar / Conference / Lectures delivered etc.)

S. No.	Details	Number in total	
		National	International
a	Seminar	4	6
b	Conference	2	24
c	Workshops	0	1
d.	Any other	-	-

9. Membership details of Statutory Committees of this University

S. No.	Period	Particulars / Details
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10. Any other Achievements:

S. No.	Period	Particulars / Details
	-	-