

Bio-data



Name	Dr. Sandeep Singh	
Date of Birth	20/03/1974	
Designation	Associate Professor	
Nature of appointment	Regular	
Faculty	Life Sciences	
Department/Centre/Institute	Biochemistry	
Date of Joining in the University	15/3/2010	
Date of Retirement	30/3/2034	
Contact Details	Mobile No.	9896975092
	Email id	ssingh.biochem@mdurohtak.ac.in

1. Educational Qualifications (10th and onwards)

S. No.	Degree/ Certificate	Board / University	Passing year
1	10th	CBSE	1990
2	12th	CBSE	1992
3	B.Sc. (Medical)	MDU, Rohtak	1995
4	M.Sc. Biochemistry	MDU, Rohtak	1998
5	Ph.D. (Biosciences)	MDU, Rohtak	2004

2. Teaching/Research experience

S. No.	Post	Name of Institution	Period	
			From	To
1	Lecturer-SFS	JC Bose Institute of Life Sciences, Bundelkhand University, Rohtak	Feb'2005	31 Oct, 2005
2	Guest Faculty	Deptt of Biosciences (<i>erstwhile</i>) and Deptt .of Biochem & Genetics (<i>erstwhile</i>)	15 Nov'05	28 Feb, 2010
3	Assistant Prof.	Deptt. of Biochemistry	15/03/2010	21/11/2022
4	Associate Prof.	Deptt. of Biochemistry	22/11/2022	till date

3. Details of Research Achievements

h-index (Google/SCOPUS)	9
Google Scholar link	No
ORCID ID (if any)	0000-0001-9482-6230
LinkedIn ID (if any)	No
Scopus ID	56192184000
Any other	--

S. No.	Year	Particulars / Details	Link to Article	Impact Factor (if any)
1.	1998	S Singh , M Thakur, V Malik, L Goyal and CS Pundir (1998). Influence of NaCl stress on oxalate oxidase activity in germinating seeds of forage sorghum hybrid. Indian J. Plant Physiol., 3(4): 317-319.	https://www.cabdigitalibrary.org/doi/full/10.5555/19990705303	NA (old journal, name changed)
2.	1999	CS Pundir, V Malik, AK Bhargava, M Thakur, V Kalia, S Singh and NK Kuchhal (1999). Studies on horseradish peroxidase immobilized onto arylamine and alkyl-amine glass. J. Plant Biochem. Biotechnol., 8:123-126.	https://link.springer.com/article/10.1007/BF03263073	1.5
3.	2000	L Goyal, S Singh and CS Pundir (2000). Immobilization of amaranthus leaf oxalate oxidase on arylamine glass. Indian J. Chem. Technol., 7: 1-4.	https://pascal-francis.inist.fr/vibad/index.php?action=getRecordDetail&idt=1541434	1.0
4.	2002	V Malik, S Singh and CS Pundir (2002). Cholesterol esterase and cholesterol oxidase immobilized onto arylamine glass beads. Chin. J. Biotechnol., 18(2): 155-161.	https://europemc.org/article/med/12148275	0.85
5.	2004	S Madanpotra, R Chaudhary, S Singh and CS Pundir (2004). Preparation of a reusable strip of barley oxalate oxidase for determination of urinary oxalate. Indian J. Chem. Technol., 11(4): 495-499.	https://nopr.niscpr.res.in/bitstream/123456789/18826/1/IJCT%2011(4)%20495-499.pdf	1.0
6.	2006	S Singh , SN Mishra and CS Pundir (2006). Purification and properties of oxalate oxidase from NaCl stressed grain sorghum seedlings. J. Plant Biochem. Biotech., 15: 55-57.	https://link.springer.com/article/10.1007/BF03321903	1.5
7.	2006	S Singh , SN Mishra and CS Pundir (2006). A correlative analysis of oxalate degradation and early nitrate assimilation in grain sorghum under sodium chloride stress. Indian J. Plant Physiol., 11(3): 295-299.	https://www.cabidigitalibrary.org/doi/full/10.5555/20063236249	NA (old journal, name changed)

8.	2009	A Sharma, D Sharma, S Singh and CS Pundir (2009). Effects of NaCl stress on oxalate oxidase and peroxidase of barley seedlings at early growth stage. M.R. Int. J. Engg. Tech., 1(1): 69-73.	--	--
9.	2010	CS Pundir, B Kumari, S Singh and J Narang (2010). Construction of an amperometric triglyceride biosensor using PVA membrane bound enzymes. Clin. Biochem., 43: 467472.	https://www.sciencedirect.com/science/article/pii/S0009912009005517	2.1
10.	2012	CS Pundir, R Devi, J Narang, S Singh , J Nehra and S Chaudhary (2012). Fabrication of an amperometric xanthine biosensor based on polyvinyl chloride membrane. J. Food Biochem., 36: 21-27.	https://onlinelibrary.wiley.com/doi/10.1111/j.1745-4514.2010.00499.x	4.2
11.	2013	Chauhan N, Narang J, Pundir S, S Singh and CS Pundir (2013). Laboratory diagnosis of swine flu: A review. Artif Cells Blood Subs Biotechnol, 41(3): 189-95.	https://www.tandfonline.com/doi/full/10.3109/10731199.2012.716063	4.4
12.	2015	Narang J, Malhotra N, Singh G, Singh S and Pundir CS (2015). Monitoring analgesic drug using sensing method based on nanocomposite. RSC Adv. 5: 2396-2404.	https://pubs.rsc.org/en/content/articlelanding/2015/ra/c4ra11255e	4.7
13.	2015	Narang J, Jain U, Malhotra N, Singh S and Chauhan C (2015). Development of lysine biosensor based on core shell magnetic nanoparticle and multiwalled carbon nanotube composite. Adv. Mater. Lett. 6: 407-413.	https://aml.iaamonline.org/article_14671.html	<i>Discontinued</i>
14.	2015	Narang J, Malhotra M, Chauhan N, Singh S , Singh G and Pundir CS (2015). Development and validation of biosensing method for acetaminophen drug monitoring. Adv. Mater. Lett. 6: 209-216.	https://aml.iaamonline.org/article_14640.html	<i>Discontinued</i>
15.	2015	Rathee K, Dhull R and Singh S	--	<i>Disconti-</i>

		(2015). Synthesis of zinc oxide nanorods on gold substrate & their characterization. Der Pharmacia Lettre. 7: 355-361. [IF=0.4]		<i>nued</i>
16.	2015	Singh S , Kumari L and Govinda (2015). Effects of cadmium stress on antioxidant enzymes in Vigna radiata roots. Int. J. Pharmaceu. Sci. Res. 6: 2882-2885. [IF=0.34]	https://ijpsr.com/bft-article/effects-of-cadmium-stress-on-antioxidant-enzymes-in-vigna-radiata-roots/	NA
17.	2016	Rathee K, Dhull V, Dhull R and Singh S (2016). Biosensors based on electrochemical lactate detection. A comprehensive review. Biochem Biophys Rep. 5: 35-54. [IF=0.923]	https://pmc.ncbi.nlm.nih.gov/articles/PMC5600356/	2.3
18.	2016	Dhull R, Rathee, K and Singh S (2016). Synthesis of zinc oxide nanorods on platinum wire & fabrication of triglyceride biosensor. Der Pharmacia Lettre, 8(6), 170-181. [IF=0.4]	https://www.scholarsresearchlibrary.com/abstract/synthesis-of-zinc-oxide-nanorods-on-platinum-wire-fabrication-of-rntriglyceride-biosensor-2947.html	<i>Discontinued</i>
20.	2017	Dhull R, Dhull V, Rathee K and Singh S (2017). A review on evolution in triglyceride determination. Der Pharma Chem, 9(2), 30-36. [IF=0.38]	https://www.derpharmachemica.com/abstract/a-review-on-evolution-in-triglyceride-determination-11821.html	<i>Discontinued</i>
21.	2018	Rathee K, Dhull R, Singh S and Dhull V (2018). Fabrication of Biosensor for Determination of L-lactate using Elite Nanomaterials based LDH-cMWCNT-MB/ Chitosan/SWCNT-Au Electrode. Anal Bioanal Electrochem, 10(8), 1031-1052.	https://www.sid.ir/en/VEWSSID/J_pdf/55002820180806.pdf	1.47
22.	2022	Malik A, Yadav P and Singh S (2022). Role polyamines in heavy metal stressed plants. Plant Physiol Rep. 27(4):680-94	https://link.springer.com/article/10.1007/s40502-022-00657-w	1.6
23.	2022	Singh J, Phogat A, Prakash C, Chhikara SK, Singh S , Malik V, Kumar V (2022). N-Acetylcysteine Reverses Monocrotophos Exposure-Induced Hepatic Oxidative Damage via Mitigating Apoptosis, Inflammation and	https://www.mdpi.com/2076-3921/11/1/90	6.93

		Structural Changes in Rats. Antioxidants. 11: 90.		
24.	2022	Yadav A, Yadav SS, Singh S , Dabur R (2022). Natural products: Potential therapeutic agents to prevent skeletal muscle Atrophy. Eur J Pharmacol. 925: 174995.	https://www.sciencedirect.com/science/article/pii/S0014299922002564?via%3Dihub	4.92
25.	2022	Yadav P, Sharma A and Singh S (2022). A review on regulatory control of chromium stress in plants. J Appl Nat Sci. 14(4): 1204-24.	https://journals.ansfoundation.org/index.php/jans/article/view/3824	0.83
26.	2022	Yadav S, Kaushik S, Chhikara SK, Singh S , Yadav JP and Kaushik S (2022). Terminalia arjuna (Arjun Tree): A Sacred plant with high Medicinal and Therapeutic Potential. Res J Pharm Tech. 15(12): 5859-67.	https://rjptonline.org/HTMLPaper.aspx?Journal=Research%20Journal%20of%20Pharmacy%20and%20Technology;PID=2022-15-12-83	0.927
27.	2023	Jha S, Rani R and Singh S (2023). Biogenic Zinc Oxide Nanoparticles and Their Biomedical Applications: A Review. J Inorg Org Poly Mat. 33: 1437–1452.	https://link.springer.com/article/10.1007/s10904-023-02550-x	4.9
28.	2023	Boora S, Sharma V, Kaushik S, Bhupatiraju AV, Singh S , Kaushik S (2023). Hepatitis B virus-induced hepatocellular carcinoma: a persistent global problem. Braz J Microbiol. 14: 1-1.	https://link.springer.com/article/10.1007/s42770-023-00970-y	1.9
29.	2023	Boora S, Khan A, Sharma V, Kaushik S, Mehta PK, Singh S and Kaushik S (2023). RT-LAMP is a potential future molecular diagnostic tool for influenza A virus. Fut Virol. 18(3): 165-175.	https://www.tandfonline.com/doi/full/10.2217/fvl-2022-0136	1.4
30.	2023	Dahiya H, Sonia K, Boora S, Yadav S, Kaushik S, Singh S , Yadav JP and Kaushik S (2023). Trachyspermum ammi (Ajwain): A Sacred plant with High Medicinal and Therapeutic potential. Res J Pharm Technol. 16(7): 3285-3288.	https://rjptonline.org/AbstractView.aspx?PID=2023-16-7-38#:~:text=Trachyspermum%20ammi%20L.,seed%20spice%20crop%20in%20India.	0.927
31.	2025	Yadav P, Jha S, Kumari P, Sharma A, Singh S (2025).	https://pubmed.ncbi.nlm.nih.gov/41174348/	4.176

		Exogenous salicylic acid application alleviates chromium toxicity in seedlings of Pea (<i>Pisum sativum</i> L.) by reducing chromium uptake and enhancing antioxidative capacity. <i>Int J Phytorem.</i> 23:1-7.		
32.	2025	Yadav P, Jha S, Sharma A, Singh S (2025). Assessment of yield and quality management with the exogenous administration of salicylic acid in pea during chromium metal stress. <i>Biologia.</i> 13:1-8.	https://link.springer.com/article/10.1007/s11756-025-02049-5	1.6

4. Research & consultancy Projects Nil

S. No.	Year	Details	Status

5. Research Supervision Overview

S. No.	Level	Degree Awarded	Thesis Submitted
1	Ph.D.	4	
2	P.G.	70	
3	U.G.		

6. Patents/technology developed Nil

S. No.	Year	Particulars / Details	Published/Granted

7. Honors & Awards Nil

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

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

S. No.	Details	Number in total	
		National	International
a	Seminar		
b	Conference		
c	Workshops		
d.	Any other		

9. Membership details of Statutory Committees of this University NIL

S. No.	Period	Particulars / Details

10. Any other Achievements: No

S. No.	Period	Particulars / Details