
Resume

Dr. Santosh Kumar Singh

Senior Scientist (Level-14)

Centre of Experimental Medicine and Surgery (CEMS) Faculty of Medicine, Institute of Medical Sciences Banaras Hindu University, Varanasi-221005, India

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Personal Profile:

Father's Name : Late Jainath Singh
Date of Birth : 12.05.1971
Present Post : Senior Scientist (Level-14)
Pay level / Pay Scale : Level-14 (144200-218200)

Academic Profile:

B.Sc. 1990 : Botany, Zoology, Chemistry
M.Sc. 1992 : Botany
Ph.D. 1998 : Botany, Banaras Hindu University, Varanasi, Uttar Pradesh.

Title of PhD Thesis: Alkaline phosphatase activities of the N₂-fixing cyanobacterium *Anabaena oryzae* Fritsch.

Employment:

Post held	From	To	Pay scale (Grade Pay)	Employer Name
Senior Scientist	22.08.2017	Till date	Level-14(144200-218200)	Banaras Hindu University, Varanasi
Senior Research officer	10.07.2015	22.08.2017	15600-39100+GP 7600/-	Banaras Hindu University, Varanasi
Junior Research officer	27.10.2005	10.07.2015	15600-39100+GP 5400/-	Banaras Hindu University, Varanasi

Research Area:

Drug Discovery & Development
Microbial Biotechnology Microorganisms of Pharmaceutical Interest
Ethnopharmacology and Nanobiotechnology

Research Profile:

Total Research Experience = 25 years
Total Research Publications = 110

Books (International):

1. Vidya Dhar Pandey, **Santosh Kumar Singh**. (Eds.). (2012). **Microbial toxin and toxigenic microbes**. Studium Press (LLC) Ltd., Houston Texas USA. ISBN: 1933699736
2. Bhim Pratap Singh, Ahmed M. Abdel Azeem, Vibhav Gautam, Garima Singh, **Santosh Kumar Singh**. (Eds.). (2024). **Endophytic Fungi - The Hidden Sustainable Jewels for the Pharmaceutical and Agricultural Industries**. Springer Nature. ISBN: 9783031491122
3. Anurag Kumar Singh, Vivek K. Chaturvedi, **Santosh Kumar Singh**, Jay Singh. (Eds.). (2024). **Nanogels: Fundamentals to pharmaceuticals and biomedical applications**. Elsevier INC. ISBN: 9780443300165
4. Rajendra Awasthi, **Santosh Kumar Singh**, Anurag Kumar Singh. (Eds.). (2025). **Drug delivery and biomedical application of porous silicon-based nanocarriers**. Elsevier INC. ISBN: 9780443248023
5. Sachchida Nand Rai, Sandeep Singh, **Santosh Kumar Singh**. (Eds.) (2025). **Neurodegenerative Diseases: Translational Model, Mechanism and Therapeutics**. CRC Press (Taylor & Francis Group). ISBN: 9781032620428
6. Sangeeta Singh, Sachchida Nand Rai, **Santosh Kumar Singh**. (Ed.) (2025). **Synaptic plasticity in Neurodegenerative diseases**. CRC Press (Taylor & Francis Group). ISBN: 9781003464648

Professional Achievements: Established Cell Culture Facility, Drug Standardization Facility and Central Instrumentation Facility

Research Guiding Experience:

Post doc/PDF : 02 Completed & 01 Ongoing
PhD : 12 Awarded & 02 Ongoing
MD/MS/DM/ M.Ch. : 09 Awarded & 02 Ongoing

Research Projects as Principal Investigator/Co-Principal Investigator:

S. N.	Title of the Project	Funding Agencies	Year	Amount	Status/ Principal Investigator/ Co-Principal Investigator
1.	A Diagnostic and Ayurvedic therapeutic approach for endometrial receptivity in patient of polycystic ovarian	Institute of Eminence Scheme for Trans-Disciplinary	2023-2025	2000000.00	Ongoing (As Co-Principal Investigator)

	syndrome based on Radiological Uterine biophysical profile, Immunohistochemistry and Gene expression.	Research Scheme, Banaras Hindu University, Varanasi-221005			
2.	Isolation and characterization of microbial endophytes from <i>Calotropis procera</i> for the production of anticancer compounds, Funded under Institute of Eminence Scheme	Institute of Eminence Scheme, Banaras Hindu University, Varanasi-221005	2021-2024	800000.00	Ongoing (As Principal Investigator)
3.	Science and technology-based approach for the upliftment of the socioeconomic status of the scheduled caste communities of eastern Uttar Pradesh through cultivation of selected medicinal plants	Department of Science & Technology (SEED), New Delhi, India	2020-2024	8859800.00	Ongoing (As Principal Investigator)
4.	Mission Programme on Biotech-Krishi Innovation Science Application Network (Biotech-KISAN)	Department of Biotechnology (DBT), New Delhi, India	2020-2023-Phase-I (Completed) 2023-2026-Phase-II (Ongoing)	16887000.00	Ongoing (As Co-Principal Investigator)
5.	Identifying the role of two immune inhibitory receptors, CD200R and CD300a, on CD4+T cells function in parasitic infection and vaccine induced immunity	Department of Biotechnology (DBT), New Delhi, India	2019-2022	9420000.00	Completed (As Co-Principal Investigator)
6.	Socio-economical uplifting of rural women by cultivation and processing of some selected medicinal plants in Chandauli district, Eastern Uttar Pradesh	Department of Science and Technology (DST), SEED Program, New Delhi, India	2017-2020	3212000.00	Completed (As Principal Investigator)
7.	Isolation and characterization of microbial endophytes for novel anti-microbial compounds from selected	Department of Science and Technology (DST), New Delhi, India	2013-2016	3120000.00	Completed (As Principal Investigator)

	medicinal plants of Varanasi region.				
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Honors/Awards/Recognitions Received:

1. Member National Academy of Sciences (NASI) 2023, Prayagraj, India
2. Member of the Awards Selection Committee (2023) for National Awards in Science & Technology Communication, Department of Science and Technology. Government of India.
3. U.P. Gaurav Samman (2023), conferred by Uttar Pradesh Patrakar Parishad.
4. U.P. Ratan Award (2022) conferred by Global Neem Organization.
5. Purwanchal Ratan Alankaran Samman (2022), conferred by Uttar Pradesh Patrakar Parishad.
6. National Award for “Outstanding Efforts in Science and Technology Communication through Innovative and Traditional methods (2021)” conferred by Department of Science and Technology, Ministry of Science and Technology, Government of India.
7. The order of academic excellence in publication (2020-2021), Institute of Medical Sciences, Banaras Hindu University, Varanasi.
8. Excellence in Science Communication Award (2021) conferred by Scientific & Education Research Society (SERS). Indian Council of Medical Research, Travel Grant Award (2017) to deliver the invited lecture in international conference on “Biopharmaceutics and Biologic drugs, USA.
9. Department of Biotechnology-Research Associate award (2000), New Delhi.
10. Council of Scientific & Industrial Research-Research Associate award (2000) New Delhi.
11. Council of Scientific & Industrial Research-SRF award (1998), New Delhi.
12. Banaras Hindu University. Research fellowship award (1995).

Academic Contribution:

1. Visiting Scientist at Department of Photosynthesis, Institute of Physical Biology, University of South Bohemia, Czech Republic, (2003).
2. Invited as session speaker in 3rd International conference on Biopharmaceutics and Biologic drugs held during 31-08-2017 to 01-09-2017 in Philadelphia, USA.
3. Session speaker in an international workshop “Importance of Mother language in Medical Education, research and employment” held during 21-02-2022 to 27-02-2022 in Veer Bahadur Singh Purwanchal University, Jaunpur, Uttar Pradesh.
4. Participated as resource person in Karyashala Training Course Under Accelerate Vigyan Scheme, SERB, DST.
5. Course/unit preparation for M.Sc. (Zoology) Program of Discipline of Life Sciences, School of Sciences, Indira Gandhi National Open University (IGNOU), New Delhi.

Editorial and Reviewer Credentials:

- ✚ **Editorial Board Members:** Current Indian Science, Bentham Sciences
- ✚ **Guest Associate Editor:**

- Associate topic editor: Advance Utilization of Biodegradable Polymers in Drug Delivery, Frontiers in Cell and Developmental Biology, Edited by Dr. Santosh Kumar Singh.

Professional Affiliations:

- ✚ Life time membership of Mycological society of India.
- ✚ Life time membership of Society of Biological Chemists, India.
- ✚ Member of the Society for Ethnopharmacology, Kolkata, India (SFE-INDIA).
- ✚ Life time membership of Medicinal and Aromatic Plants Association of India (MAPAI), India.
- ✚ Life time membership of Scientific & Education Research Society (SERS), India.
- ✚ Life time membership of Indian Science Congress Association, India.
- ✚ Member of Technical Advisory Committee of Foundation for Advancement of Agriculture and Rural Development (FAARD).
- ✚ Member of Advisory Committee of Banaras Education & Research Foundation.
- ✚ Member of Advisory Committee of Rajeswari Research Foundation
- ✚ Member of Departmental Committees: Academic Committee, Administrative Committees, Technical Committee, Purchase and Research Committee (both the Department/Centre Research Committee or DRC/CRC and Committee like Anti-Plagiarism, RPC, Admission, Examination, etc.).

Conferences and symposia:

- ✚ Total conference attended so far : 70
- ✚ Invited speaker : 50

Conference/ Programmed Organized:

1. Organizing Secretary for one day High-performance thin-layer chromatography (HPTLC) training programme in February-2024.
2. Charred session in 8th World Congress on Chronomedicine (WCC 2022) from 14th December to 16th December 2022, Organized by Department of Nephrology, Institute of Medical Sciences, Banaras Hindu University, Varanasi, India.
3. Organizing Secretary, National Webinar on “Impact of Covid-19 On India: Educational Visa Viscultural Perspective - 2020.”
4. As coordinator, IMS, for “Kashi Katha-2016 Varanasi in 21st Century”.
5. Popular Lectures Series & training on, Food adulteration and Health “(Milavat Hatao Swasthya Bachao)”.
6. Popular Lectures Series on, “Science awareness among school students, teachers & rural population for understanding the application of science and technology: in eastern Uttar Pradesh.”

Administrative Experience:

1. **Administrative In-charge:** Centre of Experimental Medicine and Surgery, IMS, BHU since 17 May 2013 to till date.
2. **Proctor:** Proctorial Board of Banaras Hindu University for Five Years

3. **Coordinator:** Election procedure of Student council of IMS, BHU
4. **Program Officer (NSS):** National Service Scheme (NSS), IMS, BHU for 01 year

Total Administrative Experience = 15 Years

List of Publications:

1. P. Sutaoney, S. N. Rai, S. Sinha, R. Choudhary, A. K. Gupta, **S. K. Singh**, P. Banerjee (2024) "Current perspective in research and industrial applications of microbial cellulases." International Journal of Biological Macromolecules, Elsevier. 264(1): 130639. DOI: 10.1016/j.ijbiomac.2024.130639. (IF: 8.2)
2. R. K. Tiwari, A. Kumar, V. Singh, S. N. Rai, **S. K. Singh**, G. Ahmad, E. Vamanu, M Singh (2024) "Development of Effective Antileishmanial Herbal Drug from *Withania somnifera* and *Tinospora cordifolia* Extract." Current Traditional Medicine, DOI: 10.2174/0122150838268529231122053927. (IF: 1.0)
3. D. Pandey, H. K. Kehri, S. N. Rai, S. Chaturvedi, **S. K. Singh**, E. Vamanu (2024). "The Consequence of Arsenic Remediation through potential indigenous Rhizospheric Microbes", Biocatalysis and Agricultural Biotechnology, 56(2024), 103030. DOI: 10.1016/j.bcab.2024.103030. (IF: 4.0)
4. G. Ahmed, F. Jamal, R. K. Tiwari, V. Singh, S. N. Rai, S. K. Chaturvedi, K. Pandey, **S. K. Singh**, A. Kumar, S. Narayan, E. Vamanu (2023) "Arsenic exposure to mouse visceral leishmaniasis model through their drinking water linked to the disease exacerbation via modulation in host protective immunity: a preclinical study." Scientific Reports, Nature. 13(1): 21461. DOI: 10.1038/s41598-023-48642-z. (IF: 4.6)
5. A. Verma, H. Tiwari, S. Singh, P. Gupta, N. Rai, **S. K. Singh**, B. P. Singh, S. Rao, and V. Gautam. (2023) "Epigenetic manipulation for secondary metabolite activation in endophytic fungi: current progress and future directions." Mycology, Taylor & Francis. 14(4): 275-291, DOI: 10.1080/21501203.2023.2241486. (IF: 4.2)
6. D. Mishra, A. Mishra, S. N. Rai, **S. K. Singh**, E. Vamanu, M. P. Singh (2023) "*In Silico* Insight to Identify Potential Inhibitors of BUB1B from Mushroom Bioactive Compounds to Prevent Breast Cancer Metastasis." Frontier in Bioscience-Landmark, IMR Press. 28(7): 151. DOI: 10.31083/j.fbl2807151. (IF: 3.1)
7. G. Ahmed, F. Jamal, R. K. Tiwari, V. Singh, S. N. Rai, S. K. Chaturvedi, K. Pandey, **S. K. Singh**, A. Kumar, S. Narayan, and E. Vamanu, (2023) "Arsenic exposure to mouse visceral leishmaniasis model through their drinking water linked to the disease exacerbation via modulation in host protective immunity: a preclinical study." Scientific Reports, Nature. 13 (1): 21461, DOI: 10.1038/s41598-023-48642-z. (IF: 4.6)
8. V. Singh, K. Abhishek, S. N. Rai, **S. K. Singh**, E. Vamanu, A. Kumar (2023) "Source of Cr(VI)

in the aquatic ecosystem, its genotoxic effects and microbial removal from contaminated water.” *Green Chemistry Letters and Reviews*, Taylor & Francis. 16(1): 2267079. DOI: 10.1080/17518253.2023.2267079. (IF: 6.6)

9. K. Ramakrishna, L. V. Nalla, D. Naresh, K. Venkateswarlu, M. K. Viswanadh, B. N. Nalluri, G. Chakravarthy, S. Duguluri, P. Singh, S. N. Rai, A. Kumar, V. Singh, **S. K. Singh** (2023) “WNT- β Catenin Signaling as a Potential Therapeutic Target for Neurodegenerative Diseases: Current Status and Future Perspective.” *Diseases*, MDPI. 11(3): 89. DOI: 10.3390/diseases11030089. (IF: 0.10)
10. H. Tiwari, N. Rai, S. Singh, P. Gupta, A. Verma, A. K. Singh, Kajal, P. Salvi, **S. K. Singh**, V. Gautam (2023) “Recent Advances in Nanomaterials-Based Targeted Drug Delivery for Preclinical Cancer Diagnosis and Therapeutics.” *Bioengineering*, MDPI. 10(7): 760. DOI: 10.3390/bioengineering10070760. (IF: 5.046)
11. J. Ann Thomas, A. Gireesh Moly, H. Xavier, P. Suboj, A. Ladha, G. Gupta, **S. K. Singh**, P. Palit, S. Babykutty (2023) “Enhancement of immune surveillance in breast cancer by targeting hypoxic tumor endothelium: Can it be an immunological switch point?” *Frontiers in Oncology*, Frontiers. 13: 1063051. DOI: 10.3389/fonc.2023.106305. (IF: 6.244)
12. N. Rai, P. Gupta, A. Verma, **S. K. Singh**, V. Gautam (2023) “Isolation and characterization of N-(2-Hydroxyethyl) hexadecanamide from *Colletotrichum gloeosporioides* with apoptosis-inducing potential in breast cancer cells.” *Bio Factors*, Wiley Online. 49(3): 663-683. DOI: 10.1002/biof.1940. (IF: 6.438)
13. N. Rai, P. Gupta, A. Verma, R. K. Tiwari, P. Madhukar, S. C. Kamble, A. Kumar, R. Kumar, **S. K. Singh**, V. Gautam (2023) “Ethyl Acetate Extract of *Colletotrichum gloeosporioides* Promotes Cytotoxicity and Apoptosis in Human Breast Cancer Cells.” *ACS Omega*, ACS Publication. 8(4): 3768–3784. DOI: 10.1021/acsomega.2c05746. (IF: 4.13)
14. P. Gupta, N. Rai, A. Verma, D. Saikia, S. P. Singh, R. Kumar, **S. K. Singh**, D. Kumar, V. Gautam (2022) “Green-Based Approach to Synthesize Silver Nanoparticles Using the Fungal Endophyte *Penicillium oxalicum* and Their Antimicrobial, Antioxidant, and In Vitro Anticancer Potential.” *ACS Omega*, ACS Publication. 7(50): 46653–46673. DOI: 10.1021/acsomega.2c05605. (IF: 4.13)
15. S. N. Rai, N. Tiwari, P. Singh, A. K. Singh, D. Mishra, M. Imran, S. Singh, E. Hooshmandi, E. Vamanu, **S. K. Singh**, M. P. Singh (2022) “Exploring The Paradox of Covid-19 in neurological complications with emphasis on Parkinson’s and Alzheimer’s disease.” *Oxidative Medicine and Cellular Longevity*, Hindawi. 2022: 3012778. DOI: 10.1155/2022/3012778. (IF: 7.310)
16. N. Rai, P. Gupta, P. K. Keshri, A. Verma, P. Mishra, D. Kumar, A. Kumar, **S. K. Singh**, V. Gautam (2022) “Fungal Endophytes: an Accessible Source of Bioactive Compounds with Potential Anticancer Activity.” *Applied Biochemistry and Biotechnology*, Springer. 194, 3296–3319. DOI: 10.1007/s12010-022-03872-1. (IF: 2.92)

17. N. Rai, P. K. Keshri, P. Gupta, A. Verma, S. C. Kamble, **S. K. Singh**, V. Gautam (2022) “Bioprospecting of fungal endophytes from *Oroxylum indicum* (L.) Kurz with antioxidant and cytotoxic activity.” PLOS ONE, Public Library of Science (PLOS). E 17(3): e0264673. DOI: 10.1371/journal.pone.0264673. (IF: 3.24)
18. A. Verma, P. Gupta, N. Rai, R. K. Tiwari, A. Kumar, P. Salvi, S. C. Kamble, **S. K. Singh**, V. Gautam (2022) “Assessment of Biological Activities of Fungal Endophytes Derived Bioactive Compounds Isolated from *Amoora rohituka*.” Journal of Fungi, MDPI. 8(3): 285. DOI: 10.3390/jof8030285. (IF: 5.816)
19. A. K. Singh, S. S. Singh, A. S. Rathore, S. P. Singh, G. Mishra, R. Awasthi, S.K. Mishra, **S. K. Singh** (2021) “Lipid-coated MCM-41 mesoporous silica nanoparticles loaded with Berberine improved inhibition of acetylcholine esterase and amyloid formation.” ACS Biomaterials Science & Engineering, ACS Publication. 7(8): 3737–3753. DOI: 10.1021/acsbomaterials.1c00514. (IF: 4.749)
20. P. Gupta, A. Verma, N. Rai, A. K. Singh, **S. K. Singh**, B. Kumar, R. Kumar, V. Gautam (2021) “Mass Spectrometry-Based Technology and Workflows for Studying the Chemistry of Fungal Endophyte Derived Bioactive Compounds.” ACS Chemical Biology, American Chemical Society. 16(11): 2068–2086. DOI: 10.1021/acscchembio.1c00581. (IF: 5.100)
21. P. K. Keshri, N. Rai, A. Verma, S. C. Kamble, S. Barik, P. Mishra, **S. K. Singh**, P. Salvi V. Gautam (2021) “Biological potential of bioactive metabolites derived from fungal endophytes associated with medicinal plants.” Mycological Progress, Springer Nature. 20: 577-594. DOI: 10.1007/s11557-021-01695-8. (IF: 2.847)
22. N. Rai, P. K. Keshri, A. Verma, S. C. Kamble, P. Mishra, S. Barik, **S. K. Singh**, V. Gautam (2021) “Plant associated fungal endophytes as a source of natural bioactive compounds.” Mycology, Taylor & Francis. 12(3): 139-159. DOI: 10.1080/21501203.2020.1870579. (IF: 2.149)
23. A. K. Singh, S. K. Mishra, G. Mishra, A. Maurya, R. Awasthi, M. K. Yadav, N. Atri, P. K. Pandey, **S. K. Singh** (2020) “Inorganic clay nanocomposite system for improved cholinesterase inhibition and brain pharmacokinetics of donepezil.” Drug Development and Industrial Pharmacy, Tylor & Francis Online. 46(1): 8-19. DOI: 10.1080/03639045.2019.1698594. (IF: 3.225)
24. N. Rai, A. K. Singh, **S. K. Singh**, B. Gaurishankar, S. C. Kamble, P. Mishra, D. Kotiya, S. Barik, N. Atri, V. Gautam (2020) “Recent technological advancements in stem cell research for targeted therapeutics.” Drug Delivery and Translational Research, Springer. 10: 1147-1169. DOI: 10.1007/s13346-020-00766-9. (IF: 4.617)
25. A. K. Singh, B. Bhushan, A. Maurya, G. Mishra, **S. K. Singh**, R. Awasthi (2020) “Novel Coronavirus disease 2019 (COVID-19) and neurodegenerative disorders.” Dermatologic therapy, Wiley Online Library. 33(4): e13591. DOI: 10.1111/dth.13591. (IF: 2.85)

26. S. Barik, N. Rai, P. Mishra, **S. K. Singh**, V. Gautam (2020) “Bioinformatics: how it helps to boost modern biological research.” *Current Science*, Bentham. 118(5): 698-699. (IF: 1.1)
27. N. Atri, N. Rai, A. K. Singh, M. Verma, S. Barik, V. Gautam, **S. K. Singh** (2020) “Screening for Endophytic Fungi with Antibacterial Efficiency from *Moringa Oleifera* and *Withania somnifera*.” *Journal of Scientific Research*. 64(1): 126-133. DOI: 10.37398/JSR.2020.640118. (IF: NA)
28. A. Ranjan, R. K. Singh, R. K. Pandey, A. K. Singh, V. Gautam, **S. K. Singh** (2019) “Characterization and evaluation of mycoesterol secreted from endophytic strain of *Gymnema sylvestre* for inhibition of α -glucosidase activity.” *Scientific reports*, Nature Publishing Groups. 9: 17302. DOI: 10.1038/s41598-019-53227-w. (IF: 4.61)
29. A. K. Singh, **S. K. Singh**, M. K. Nandi, G. Mishra, A. Maurya, A. Rai, G. K. Rai, R. Awasthi, B. Sharma, G. T. Kulkarni (2019) “Berberine: A plant derived alkaloid with therapeutic potential to combat Alzheimer’s disease.” *Current Nervous System Agents in Medicinal Chemistry*, Bentham Science. 19(3): 154-170. DOI: 10.2174/1871524919666190820160053. (IF: 0.90)
30. K. K. Mahato, I. Yadav, R. K. Singh, M. Singh, B. N. Singh, **S. K. Singh**, B. Ray, M. Kumar, N. Mishra (2019) “Polyvinyl Alcohol/Chitosan Lactate Hydrogel for Controlled Drug Delivery.” *Materials Research Express*, IOP Science. 6,115408. DOI:10.1088/2053-1591/ab4fbd. (IF: 1.449)
31. M. K. Yadav, **S. K. Singh**, M. Singh, S. S. Mishra, A. K. Singh, J. S. Tripathi and Y. B. Tripathi (2019) “Comparative Acute and Sub-Acute Toxicity Study of Hydro-Alcoholic Extracts of *Centella Asiatica* and *Evolvulus alsinoides* in Swiss Albino Mice.” *International Journal of Pharmaceutical Sciences and Research*, IJPSR. 10(10): 1000-06. DOI:10.13040/IJPSR.0975-8232.10(10).1000-06. (IF: 0.81)
32. M. K. Yadav, **S. K. Singh**, M. Singh, S. S. Mishra, A. K. Singh, J. S. Tripathi, Y. B. Tripathi (2019) “Neurocognitive Values of *Evolvulus alsinoides* and *Centella asiatica* on Scopolamine Induced Amnesia in Mice.” *American Journal of Ethnomedicine*, iMedPub Journals. 6(1:15): 2348-9502. DOI: 10.36648/2348-9502.6.1.15. (IF: NA)
33. M. K. Yadav, **S. K. Singh**, M. Singh, S. S. Mishra, A. K. Singh, J. S. Tripathi, Y. B. Tripathi (2019) “In Vivo Toxicity Study of Ethanolic Extracts of *Evolvulus alsinoides* & *Centella asiatica* in Swiss Albino Mice.” *Open Access Macedonian Journal of Medical Sciences*, ID Design Press. 7(7): 1071-1076. DOI: 10.3889/oamjms.2019.209. (IF: 0.80)
34. M. K. Yadav, **S. K. Singh**, M. Singh, S. S. Mishra, A. K. Singh, J. S. Tripathi and Y. B. Tripathi (2019) “Neuroprotective Activity of *Evolvulus alsinoides* & *Centella asiatica* Ethanolic Extracts in Scopolamine-Induced Amnesia in Swiss Albino Mice.” *Open Access Macedonian Journal of Medical Sciences*, ID Design Press. 7(7): 1059-1066. DOI: 10.3889/oamjms.2019.247. (IF: 0.80)
35. R. K. Singh, A. Ranjan, A. K. Srivastava, M. Singh, A. K. Shukla, N. Atri, A. Mishra, A. K. Singh, **S. K. Singh** (2019) “Cytotoxic and apoptotic inducing activity of *Amoora rohituka* leaf

- extracts in human breast cancer cells.” *Journal of Ayurveda and Integrative Medicine*, Elsevier. 11(4): 383-390. DOI: 10.1016/j.jaim.2018.12.005. (IF: 0.83)
36. V. Singh, S. Kashyap, U. Yadav, A. Srivastava, A. V. Singh, R. K. Singh, **S. K. Singh**, P. S. Saxena (2019) “Nitrogen doped carbon quantum dots demonstrate no toxicity under in vitro condition in cervical cell line and in vivo in Swiss albino mouse.” *Toxicology Research*, Royal Society of Chemistry. 8(3): 395-406. DOI: 10.1039/c8tx00260f. (IF: 3.524)
 37. A. K. Singh, R. Awasthi, G. Mishra, A. Maurya, K. Kumari, A. Thakur, A. Rai, G. K. Rai, B. Sharma, T. G. Kulkarni, **S. K. Singh** (2018) “Role of TREM2 in Alzheimer’s disease and its consequences on β -amyloid Tau and neurofibrillary tangles.” *Current Alzheimer Research*, Bentham Science. 16(14): 1216-1229. DOI: 10.2174/1567205016666190903102822. (IF: 3.498)
 38. S. Srivastava, M. Kamthania, R. K. Pandey, A. K. Saxena, V. Saxena, **S. K. Singh**, R. K. Sharma and N. Sharma (2018) “Design of novel multi-epitope vaccines against severe acute respiratory syndrome validated through multistage molecular interaction and dynamics.” *Journal of Biomolecular Structure and Dynamics* TBSD, Taylor & Francis. 37(16): 4345-4360. DOI: 10.1080/07391102.2018.1548977. (IF: 5.2)
 39. M. Singh, R. K. Singh, **S. K. Singh**, S. K. Mahto, N. Misra (2018) “In vitro biocompatibility analysis of functionalized poly(vinylchloride)/layered double hydroxides nanocomposites. *Royal Society of Chemistry, RSC Advances*. 8: 40611-40620. DOI: 10.1039/C8RA06175K. (IF: 3.36)
 40. R. Sharma, G. Kapusetti, S. Y. Bhong, P. Roy, **S. K. Singh**, S. Singh, C. K. Balavigneswaran, K. K. Mahato, B. Ray, P. Maiti, N. Misra (2017) “Osteoconductive induced Amine Functionalized Graphene-Poly(methyl methacrylate) Bone Cement with Controlled Exothermic Polymerization.” *ACS Bioconjugate Chemistry*, ACS Publications. 28(9): 2254-2265. DOI: 10.1021/acs.bioconjchem.7b00241. (IF: 4.774)
 41. J. Gupta, V. Jain, **S. K. Singh**, N. Gupta, P. Jain (2017) “Study of Intralesional Triamcinolone Alone and in Combination with Pressure Garments for the Treatment of Hypertrophic Scars and Correlation of Outcome with Expression of Transforming Growth Factor Beta.” *International Journal of Innovative Research in Science, Engineering and Technology*. 6(2): 2169-2174. DOI: 10.15680/IJIRSET.2017.0602126. (IF: NA)
 42. D. K. Patel, R. K. Singh, **S. K. Singh**, V. K. Awal, D. Rana, B. Ray, P. Maiti (2016) “Graphene as chain extender of polyurethanes for biomedical applications.” *Royal Society of Chemistry, RSC Advances*. 6: 58628-58640. DOI: 10.1039/c6ra12792d. (IF: 3.36)
 43. P. Pant, R. G. Singh, U. **S. K. Singh**, V. P. Singh, P. K. Doley, M. Sivasankar (2016) “Serum Sodium Dodecyl Sulfate-Polyacrylamide Gel Electrophoresis Analysis of Patients with Membranous Nephropathy and Focal and Segmental Glomerulosclerosis.” *Saudi Journal of Kidney Disease and Transplantation*. 27(3): 539-545. DOI: 10.4103/1319-2442.182393. (IF: NA)
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Popular Articles/Out Reach Activity:

S. No.	Date	Title	Name of Magazine/News paper
1.	02-04-2022	<i>Economic Benefit of medicinal plants</i>	Rastriya Sahara Daily News Paper
2.	28-03-2022	<i>Cultivation of Medicinal Plant</i>	Aaj Daily News Paper
3.	23-03-2022	<i>Medicinal Plant Products</i>	Sahara Daily News Paper
4.	21-03-2022	<i>Importance of medicinal Plant</i>	Aaj Daily News Paper
5.	22-09-2021	<i>Agriculture Training</i>	Hindustan Times Daily News Paper
6.	26-09-2021	<i>Agriculture Training</i>	Hindustan Times Daily News Paper
7.	26-09-2021	<i>Agriculture Training</i>	Rastriya Sahara Daily News Paper
8.	30-07-2021	<i>Alzheimer Disease</i>	Dainik Jagaran Daily News Paper
9.	22-02-2021	<i>Agriculture Training</i>	Rastriya Sahara Daily News Paper
10.	19-02-2021	<i>Agriculture Training</i>	Rastriya Sahara Daily News Paper
11.	11-02-2021	<i>Agriculture Training</i>	Aaj Daily News Paper
12.	11-02-2021	<i>Medicinal Plant Cultivation</i>	Jansandesh Times Daily News Paper
13.	07-02-2021	<i>Food Adulteration</i>	Jansandesh Times Daily News Paper
14.	07-02-2021	<i>Food Adulteration</i>	Hindustan Times Daily News Paper
15.	07-02-2021	<i>Water Conservation</i>	Aaj Daily News Paper
16.	13-09-2020	<i>Agriculture Training</i>	Dainik Jagaran Daily News Paper
17.	13-09-2020	<i>Agriculture Training</i>	Aaj Daily News Paper
18.	13-09-2020	<i>Agriculture Training</i>	Amar Ujala Daily News Paper
19.	24-08-2020	<i>Agriculture Training</i>	Dainik Jagaran Daily News Paper
20.	04-03-2020	<i>Food Adulteration</i>	Dainik Jagaran Daily News Paper
21.	08-04-2019	<i>Breast Cancer</i>	Dainik Jagaran Daily News Paper
22.	20-03-2019	<i>Medicinal Plant Cultivation and Processing</i>	Aaj Daily News Paper
23.	18-03-2019	<i>Medicinal Plant Cultivation and Processing</i>	Rastriya Sahara Daily News Paper
24.	13-03-2019	<i>Food Adulteration</i>	Dainik Jagaran Daily News Paper
25.	01-03-2019	<i>Indian Kitchen and Family Health</i>	
26.	30-10-2018	<i>Food Adulteration</i>	Dainik Jagaran Daily News Paper
27.	23-03-2018	<i>Water Conservation</i>	Dainik Jagaran Daily News Paper
28.	01-03-2018	<i>Food Adulteration</i>	FAARD SAMVAAD
29.	26-02-2018	<i>Soil Health</i>	Dainik Jagaran Daily News Paper

30.	09-02-2018	<i>Water Conservation</i>	Dainik Jagaran Daily News Paper
31.	18-10-2017	<i>Food Adulteration</i>	Dainik Jagaran Daily News Paper
32.	07-10-2017	<i>Environment</i>	Amar Ujala Daily News Paper
33.	07-10-2017	<i>Plantation</i>	Dainik Jagaran Daily News Paper
34.	07-10-2017	<i>Plantation</i>	Hindustan Times Daily News Paper
35.	25-04-2017	<i>Water Conservation</i>	Dainik Jagaran Daily News Paper
36.	24-04-2017	<i>Water Conservation</i>	Hindustan Times Daily News Paper
37.	24-04-2017	<i>Water Conservation</i>	Aaj Daily News Paper
38.	27-03-2017	<i>Water Conservation</i>	Dainik Jagaran Daily News Paper
39.	27-03-2017	<i>Water Conservation</i>	Aaj Daily News Paper
40.	25-03-2017	<i>Adulteration Award</i>	Dainik Jagaran Daily News Paper
41.	25-03-2017	<i>Adulteration Award</i>	Aaj Daily News Paper
42.	25-03-2017	<i>Adulteration Award</i>	Amar Ujala Daily News Paper
43.	23-03-2017	<i>Food Adulteration</i>	Dainik Jagaran Daily News Paper
44.	03-03-2017	<i>Voter Awareness Programme</i>	Dainik Jagaran Daily News Paper
45.	28-02-2017	<i>Sanitation</i>	Dainik Jagaran Daily News Paper
46.	28-02-2017	<i>Sanitation</i>	Aaj Daily News Paper
47.	06-12-2016	<i>Environment</i>	Dainik Jagaran Daily News Paper
48.	31-03-2016	<i>Awareness Program about the Plantation</i>	Aaj Daily News Paper
49.	24-10-2016	<i>Water Conservation</i>	Aaj Daily News Paper
50.	19-03-2016	<i>Side effects of synthetic colors</i>	Dainik Jagaran Daily News Paper
51.	13-02-2016	<i>Health campus organization</i>	Dainik Jagaran Daily News Paper
52.	13-02-2016	<i>Food Adulteration</i>	Amar Ujala Daily News Paper
53.	12-02-2016	<i>Food Adulteration</i>	Aaj Daily News Paper
54.	12-02-2016	<i>Food Adulteration</i>	Dainik Jagaran Daily News Paper
55.	12-02-2016	<i>Food Adulteration</i>	Amar Ujala Daily News Paper