

Zoology Faculty Publications

Dr. Meenakshi Thakur

Research/Review articles

1. **Thakur M**, Bhardwaj S, Singh J, Senrunga A, Singh J. Three Years of Covid-19-A Review on India's Journey through Different Variants and Waves. *IJRTI* 2023. Volume 8, Issue 1, ISSN:2456-3315.
2. **Thakur M**, Bhardwaj S, Singh J. Monkeypox: Endemic to Epidemic, A review of the current scenario of Monkeypox disease. *IJRTI* 2022. Volume 7, Issue 6, ISSN:2456-3315.
3. Senrunga A, John Linglee Anal, **Thakur M**. COVID-19 Incidence, Transmission and Best Containment Practices: Study of India, *Global Pandemic: Responses and Solutions*, 2021 Shree Vinayaka Publication, Agra, ISBN: 978-93-91267-07-0.
4. **Thakur M**, Anna Senrunga, John Linglee Anal. Covid 19-A Lesson for Protecting Biodiversity, *Global Pandemic: Responses and Solutions*, 2021, Shree Vinayak Publication, Agra, ISBN: 978-93-91267-07-0
5. Thakur C.P, **M Thakur**. Accelerating kala-azar elimination in India. *Indian J Med Res* 152, December 2020, pp 538-540.
6. Narayan S, Thakur C.P Bahadur S, **Thakur M**, Pandey SN, Thakur AK, Mitra DK, Mukherjee. *Cedrus deodara*: In vitro antileishmanial efficacy immunomodulatory activity. *Indian J Med Res* 146, December 2017, pp 780-787.
7. Thakur C.P, Narayan S, Bahadur S, **Thakur M**, Pandey SN, Kumar P, Misra P, Mukerjee PK, Mitra DK. Anti-leishmanial activity of *Agave Americana* L, A traditional Indian medicinal plant. *Indian Journal of Traditional Knowledge* Vol;14(4), October 2015, pp 658-663.
8. Thakur CP, Kumar A, **Thakur M**, Thakur S. Newer strategies for the kala-azar elimination programme in India. *Indian J Med Res* 129, January 2009, pp 102-104.
9. Thakur CP, Kumar A, Mitra G, Thakur S, **Thakur M**. Pharmacovigilance kala-azar patients with severe thrombocytopenia caused by sodium antimony gluconate & miltefosine. *Indian J Med Res* 146, July 2007, pp 73-75.

MS. ANNA SENRUNG

Research/Review articles

1. **Senrunga A**, Tripathi T, Janjua D, Yadav SK, Chhokar A, Aggarwal N, Yadav J, Chaudhary A, Joshi U, Sethi P, Bharti AC. Chick chorioallantoic membrane: a valuable 3D in vivo model for screening nanoformulations for tumor antiangiogenic therapeutics. *Int J Dev Biol.* 2023;67(4):115-135. doi: 10.1387/ijdb.230198pb. PMID: 38334179.

2. **Senrung A**, Tripathi T, Yadav J, Janjua D, Chaudhary A, Chhokar A, Aggarwal N, Joshi U, Goswami N, Bharti AC. In vivo antiangiogenic effect of nimbolide, trans-chalcone and piperine for use against glioblastoma. *BMC Cancer*. 2023 Nov 30;23(1):1173. doi: 10.1186/s12885-023-11625-4. PMID: 38036978; PMCID: PMC10691152.
3. **Senrung A**, Tripathi T, Aggarwal N, Janjua D, Chhokar A, Yadav J, Chaudhary A, Thakur K, Singh T, Bharti AC. Anti-angiogenic Potential of Trans-chalcone in an In Vivo Chick Chorioallantoic Membrane Model: An ATP Antagonist to VEGFR with Predicted Blood-brain Barrier Permeability. *Cardiovasc Hematol Agents Med Chem*. 2023 Nov 3. doi: 10.2174/0118715257250417231019102501. Epub ahead of print. PMID: 37936455.
4. **Senrung A**, Tripathi T, Aggarwal N, Janjua D, Yadav J, Chaudhary A, Chhokar A, Joshi U, Bharti AC. Phytochemicals Showing Antiangiogenic Effect in Pre-clinical Models and their Potential as an Alternative to Existing Therapeutics. *Curr Top Med Chem*. 2023 Oct 20. doi: 10.2174/0115680266264349231016094456. Epub ahead of print. PMID: 37867279.
5. **Senrung A**, Lalwani, S., Janjua, D., Tripathi, T., Kaur, J., Ghuratia, N., Aggarwal, N., Chhokar, A., Yadav, J., Chaudhary, A., Joshi, U., Bharti, AC. 3D tumor spheroids: morphological alterations a yardstick to anti-cancer drug response. In vitro models (2023). <https://doi.org/10.1007/s44164-023-00059-8>
6. Tripathi T, Yadav J, Janjua D, Chaudhary A, Joshi U, **Senrung A**, Chhokar A, Aggarwal N, Bharti AC. Targeting Cervical Cancer Stem Cells by Phytochemicals. *Curr Med Chem*. 2024 Jan 29. doi: 10.2174/0109298673281823231222065616. Epub ahead of print. PMID: 38288813.
7. Thakur K., Janjua D., Shishodia G., Chhokar A., Aggarwal N., Yadav J., Tripathi T., Chaudhary A., **Senrung A**, Bharti A.C. Investigation of Molecular Mechanisms Underlying JAK/STAT Signaling Pathway in HPV-induced Cervical Carcinogenesis using „Omics“ Approach (2022), *Medical Oncology*. 12;39(12):255. doi: 10.1007/s12032-022-01854-1. PMID: 36224441.
8. Thakur M., Bhardwaj S., Singh J., **Senrung A**, Singh J. Three Years of Covid-19 – A Review on India’s Journey through Different Variants and Waves (2023), *IJRTI*, 8(1), ISSN: 2456-3315.
9. **Anna Senrung**, John Linglee Anal, Meenakshi Thakur (2021), *COVID-19 Incidence, Transmission and Best Containment Practices: Study of India, Global Pandemic: Responses and Solutions*, Shree Vinayak Publication, Agra, ISBN: 978-93-91267-07-0.
10. Meenakshi Thakur, **Anna Senrung**, John Linglee Anal (2021), *Covid 19-A Lesson for Protecting Biodiversity, Global Pandemic: Responses and Solutions*, Shree Vinayak Publication, Agra, ISBN: 978-93-91267-07-0
11. SR. John Linglee Anal and **Anna Senrung** (2019). Brief Account of the Folklore of the Tribes of Chandel District, Manipur, India”. International Conference on “North East India: Exploring Philosophy, Culture & Environmental Sustainability”. ISBN: 978-93-85822-90-2
12. **Anna Senrung**, John Linglee Anal, Prerna Joshi, Gunjan Malik, Sonali Jha, Saumya Avasthy (2018). *Indigenous Fermented Food Habits of Manipur and Nagaland*. National Conference on, “North East India: The Untapped Tourism Industry”. ISBN: 978-93-85822-65-0.
13. **Anna Senrung**, John Linglee Anal, Tanya Aggarwal, Kaushki Pandey (2018). *North East India: The Untapped Tourism Industry*. National Conference on, “North East India: The Untapped Tourism Industry”. ISBN: 978-93-85822-65-0.
14. Jyotsna Singh, **Anna Senrung**, Smriti Sharma, Tenzin Nyibum Bhutia, Mayanglambam Rojina, Ashok Kumar Singh (2017). Influence of temperature on the survival and development of cowpea

aphid, *Aphis craccivora* (Hemiptera: Aphididae). Indian Journal of Entomology. 79(1):111-114. Print ISSN: 0367-8288. Online ISSN: 0974-8172.

15. **Anna Senrung**, Jyotsna Singh, Smriti Sharma, Tenzin Nyibum Bhutia, Ashok Kumar Singh (2014). Effect of *Murraya Koenigii* extracts on the feeding and oviposition response of *Spodoptera litura* (Fab.) (Lepidoptera: Noctuidae). Journal of Entomology and Zoological studies. 2 (3): 27-31. ISSN 2320-7078.
16. Smriti Sharma, **Anna Senrung**, Ashok Kumar Singh (2014). Toxic effect of neem, *Azadirachta indica* (A. Juss) foliage extracts against diamondback moth (DBM), *Plutella xylostella* (L.) (Lepidoptera, Plutellidae). JBiopest. 7(1): 1-7. ISSN 2230-8385.

e-Chapters:

1. Manoj Kumar Kashyap, Anjali Bhat, Divya Janjua, Rashmi Rao, Kulbhushan Thakur, Arun Chhokar, Nikita Aggarwal, Joni Yadav, Tanya Tripathi, Apoorva Chaudhary, **Anna Senrung**, Alok Chandra Bharti. Role of angiotensin in different malignancies (2023). [https:// doi.org/ 10.1016/ B978-0-323-99618-1.00019-2](https://doi.org/10.1016/B978-0-323-99618-1.00019-2).
2. Yadav, J., Aggarwal, N., Chaudhary, A., Tripathi, T., Baruah, D., Chhakara, S., Janjua, D., Chhokar, K., Thakur, K., **Senrung, A.**, Chandra Bharti, A. (2022). Role of Exosomes in Tumor Induced Neo-Angiogenesis. IntechOpen. doi: 10.5772/intechopen.104400.

Books/Papers Edited:

1. North East India: Exploring Philosophy, Culture & Environmental Sustainability. Krishi Sanskriti Publications. March- 2018. ISBN: 978-93-85822-90-2
2. North East India: The Untapped Tourism Industry. Krishi Sanskriti Publications. March- 2018. ISBN: 978-93-85822-65-0

E-Content for Undergraduate and Postgraduate Course:

1. Developed E-lesson for Postgraduate Course entitled, “Neuro-endocrine Physiology: Classification of Hormones” for NME-ICT in Zoology under MHRD Project. 2017.
2. Developed E-lesson for Postgraduate Course entitled, “Neuro-endocrine Physiology: Hypothalamic Hormones for NME-ICT in Zoology under MHRD Project. 2017.
3. Developed E-lesson for Undergraduate Course entitled, “Morphology & Physiology of *Paramecium*” of paper Non-chordata (Subject Zoology) (2015). Virtual Learning Environment, Institute of Lifelong Learning, University of Delhi. ISSN-2349-154X. <http://vle.du.ac.in/mod/resource/view.php?id=10731>
4. Developed E-lesson for Undergraduate Course entitled, “Mitosis and Meiosis: A genetic perspective” (2015) for NME-ICT in Zoology. ISSN-2349-154X. <http://vle.du.ac.in/mod/tab/view.php?id=8144#tab6>
5. Co-authored E-lesson for Undergraduate Course entitled, “Extension of Mendelian Genetics” (2015) for NME-ICT in Zoology. ISSN-2349-154X. <http://vle.du.ac.in/mod/tab/view.php?id=8144#tab6>
6. Co-authored E-lesson for Undergraduate Course entitled, “Linkage and Crossing-over” (2015)) for NME-ICT in Zoology. ISSN# 2349-154X. <http://vle.du.ac.in/mod/tab/view.php?id=8144#tab6>

DR. JYOTI TANEJA

Research/Review articles

1. Bhardwaj, P., Yadav, S. K., Jetly, S., Saluja, D., & **Taneja, J.** (2023, December 21). Unveiling Parental Perspectives: COVID-19 Vaccination for Children in India. *Journal of Family Medicine and Primary Care*, Advance online publication.
2. Hesitancy and acceptance of COVID-19 vaccination amidst the second wave of pandemic in India : A General Population study, February 8 2022, **Taneja J et al.**, <http://doi.org/10.1177/10105395221077062>
3. Adverse events and breakthrough infections associated with COVID-19 in the Indian population 8th March 2022, **Taneja J et al.**, <https://doi.org/10.1002/jmv.27708>
4. Association of gender, age and comorbidities with COVID-19 infection in India, **Taneja J et al.**, *J. Integr. Sci. Technol.* 2022, 10(2), 61-66
5. Association of ABO blood group with susceptibility, severity and breakthrough COVID-19 infections in Indian Population, **Taneja et al.**, *J. Integr. Sci. Technol.* 2022, 10(1), 24-28
6. Studies on Polycystic Ovary syndrome risk: Efficacy of Self Assessment Test, Highlights on medicine and medicinal science, **Taneja J et al.**, DOI:10.9734/bpi/hmms/v13/11007D, Chapter-11, Authored eBook ISBN: 978-93-91473-78-5, eBooks ISBN 978-93-91473-77-8
7. Magnitude and associated factors of menstrual irregularity among young girls: A cross-sectional study during COVID-19 second wave in India. **Taneja et al.**, *Journal of Family Medicine and Primary Care* 11(12):p 7769-7775, December 2022. | DOI: 10.4103/jfmprc.jfmprc_1201_22
8. Polycystic ovary syndrome risk: efficacy of self-assessment test; **Taneja J et al.** *Int J Reprod Contracept Obstet Gynecol.* 2020; 2020 Jul;9(7):2915-2920, pISSN-2320-1770, eISSN-2320-1789.
9. Biochemical effects of heat Stress and Acclimation, **Taneja et al.**, *DU Journal of Undergraduate Research and Innovation*; Vol 1; Issue 3; pp 49-56; 2015, *IF: 0.786*, ISSN:2395-2334
10. Data in support of FSH induction of IRS-2 in Human Granulosa Cells through SP1 transcription factor. Kaur S, Anjali G, Bhardwaj P, **Taneja J** and Rita Singh. *Data in Brief*, 6(2016) 162-167
11. FSH stimulates IRS-2 expression in Human Granulosa cells through cAMP/SP1, an Inoperative FSH action in PCOS patients, Anjali G., Kaur S., Lakra R., **Taneja J.**, Kalsey G.S., Nagendra A., Shrivastav T.G., Gouri Devi M., Malhotra N., Kriplani A and Rita Singh, 27, *Cellular Signaling.* 2015, 2452-2466
12. Comparative Analyses of Symptoms, Severity and Breakthrough Infections During Three Waves of COVID-19 in India. Manuscript communicated.

E-CHAPTER

Concept of expressing cloned genes in animal cells, Authors **Jyoti Taneja** and Sonika Sharma, Publication date 2015, Publisher: Institute of life long learning.

DR. MADHU

Research/Review articles

1. **Singh M.** and Singh D.K. (2013). Biodegradation of Endosulfan in Broth Medium and in Soil Microcosm by *Klebsiella* sp. M3. Bulletin of Environmental Contamination and Toxicology. DOI 10.1007/s00128-013-1168-3. ISSN: 007-4861.
2. **Singh M.** and Singh D.K. (2013). Endosulfan induced alteration in bacterial protein profile and RNA yield of *Klebsiella* sp. M3, *Achromobacter* sp. M6, and *Rhodococcus* sp. M2. Journal of Hazardous Materials. DOI 10.1016/j.jhazmat.2013.11.061. ISSN: 0304-3894,
3. Chitra Bhasin^{1*}, Padmshree Mudgal^{2*}, Adita Joshi^{4,5*}, Anita Garg Mangla², **Madhu**¹, Varsha Singh², Sakshi Jain², Kritika Sharma², Kirti Saluja², Yogita Kapoor², Priyanka Kandola¹, Maniki Mathur¹, Nikita Khatri¹, Alisha Arora¹, Simran Motwani², Sakshi Jain², Arushi Taneja², Surbhi Chauhan², Kanika Arora³, Surbhi Pandey³, Ritika Chaudhary³. (2016). Zebrafish Early Stage Developmental Defects as Indicator of Site Specific Water Composition of River Yamuna. DU Journal of Undergraduate Research and Innovation. Volume 2, Issue 1 pp 40-55. ISSN: 2395-2334.

DR. SONIKA SHARMA

Research/Review articles

1. Sonika Sharma (2013). 'Cloning: History and Advances' Shodh Kalpataru (An International Multidisciplinary Research Journal, A Refereed Journal Published Tri-monthly), No.11 , October-December 2013, pp. 354-357, (ISSN-2249-6114)
2. Sonika Sharma(2013). 'Tuberculosis: Causative agent and Types' Sambhavya (International Research journal of Indian Cultural, Social and Educational Stream, A Refereed journal Published Tri monthly) No.1 October –December 2013,pp.353-360 (ISSN-0976-9358)
3. Rana, M., Choubey, P., Nandi, G., Jain, S., Bajaj, D., Sharma, S., & Basu-Modak, S. (2023). Expression of angiogenic factors in the placenta of heme oxygenase-1 deficient mouse embryo. *Reproductive biology*, 23(4), 100822. <https://doi.org/10.1016/j.repbio.2023.100822>

E-CHAPTER

Concept of expressing cloned genes in animal cells, Authors Jyoti Taneja and Sonika Sharma, Publication date 2015, Publisher: Institute of life long learning.

DR. JYOTI SINGH

Research/Review articles

1. Malik S, **Singh J**, Trivedi A K, Singh S, Rani S, and Kumar V. (2015) [Nocturnal melatonin levels decode daily light environment and reflect seasonal states in night-migratory blackheaded bunting \(*Emberiza melanocephala*\)](#). Photochemical and Photobiological Sciences 03/2015; 14(5). Impact factor 2.94
2. **Singh J**, Rani S, and Kumar V. (2012) Functional similarity in relation to the external environment between circadian behavioral and melatonin rhythms in the subtropical Indian weaver bird Hormone and Behaviour, 61:4, 527-534. Impact factor 4.21 Impact factor 4.21
3. **Singh J**, Rastogi A, Rani S, and Kumar V. (2012) Food Availability Affects Circadian Clock Controlled Activity and Zugunruhe in Night Migratory Male Blackheaded Bunting (*Emberiza melanocephala*). Chronobiology International 29:1, 15-25. Impact factor 5.56

4. **Singh J**, Budki P, Rani S, and Kumar V. (2011) Temperature alters the photoperiodically controlled phenologies linked with migration and reproduction in a night-migratory songbird. Proceeding of Royal Society B. doi:10.1098/rspb.2011.1062. Impact factor 5.06
5. **Singh J**, Rani S, and Kumar V. (2010) Presence of a conspecific renders survival advantages in the migratory redheaded bunting: test through the effects of restricted feeding on circadian response and survivorship. *Chronobiology International*. 27:1,111-127. Impact factor 5.56
6. Rani S, Singh S, Malik S, **Singh J** and Kumar V. (2009) Synchronization of Indian weaver bird circadian rhythm to food and light zeitgebers: Role of pineal. *Chronobiology International*. 26:4, 653-665. Impact factor 5.56.
7. Thakur M., Bhardwaj S., Singh J., Senrunga A., **Singh J**. Three Years of Covid-19 – A Review on India's Journey through Different Variants and Waves (2023), *IJRTI*, 8(1), ISSN: 2456-3315.

Publication (Conference Proceeding)

8. **Singh J**, Budki P, Rani S, Kumar V. (2008) Regulation of seasonal responses in Birds: Role of photoperiod and Biological Clocks. Proceeding of the 4th CPB meeting in Africa: MARA 2008, "Molecules to Migration: The Pressures of Life", Madimond pp 487- 496.
9. Rani S, Malik S, **Singh J**, Singh S, Kumar V. (2008) The photoperiodic and circadian Control of Migratory restlessness (Zugunruhe) in Palaearctic – Indian Migratory Bunting: A new model for Studying the Migratory Physiology. Proceeding 4th CPB meeting in Africa: MARA 2008, "Molecules to Migration: The Pressures of Life", Madimond pp 551-557.

Publication (Chapters in Books)

1. Neha Niharika, Sunita K. Yadav, **Jyoti Singh**. Chapter: Cytokines in the book 'An interplay of cellular and molecular components of immunology'. December 2022. ISBN: 9781003286424. CRC Press (Taylor and Francis)

DR. NEHA NIHARIKA

Research/Review articles

1. **Niharika, N.**, H, Moskalikova., Kaur, J., M, Sedlackova A, Hampl., Damborsky, J., Z, Prokop and Lal, R. 2013. *Novophingobium barchiamii* LL02^T sp. nov., isolated from a hexachlorocyclohexane (HCH) dump site. *Int J Syst Environ Microbiol*. 63:667 – 672. [ISSN : 1466-5026, Impact factor: 2.268]
2. **Niharika, N.**, Moskalikova, H., Kaur, J., Khan, F., Sedlackova, M., Hampl, A., Damborsky, J., Prokop, Z., and Lal R. 2013. *Sphingobium czechense* LL01^T sp. nov., isolated from a hexachlorocyclohexane (HCH) dump site. *Int J Syst Environ Microbiol*. 63:723 – 728. [ISSN : 1466-5026, Impact factor: 2.268]
3. **Niharika, N.**, Jindal, S., Kaur, J., and Lal R. 2012. *Sphingomonas indica* sp. nov., isolated from HCH contaminated soil. *Int J Syst Environ Microbiol*. 62, 2997–3002. [ISSN : 1466-5026, Impact factor: 2.268]
4. Dwivedi, V., **Niharika, N** and Lal, R. 2012. *Pontibacter lucknowensis* isolated from

hexachlorocyclohexane dump site. *Int J Syst Environ Microbiol* 63: 309–313. [ISSN : 1466-5026, Impact factor: 2.268]

5. Kaur, J[#], Moskalikova, H[#], Niharika, N[#], Khan, F., Sedlackova, M., Hampl, A., Damborsky, J., Prokop, Z., and Lal R. 2013. *Sphingobium baderi* LL03^T sp. nov., isolated from HCH contaminated soil. *Int J Syst Environ Microbiol*. 63:673 – 678. [ISSN : 1466-5026, Impact factor: 2.268] (# contributed equally)

6. Sharma, P., Jindal, S., Kiran, B., Kumari, K., Niharika, N., Kaur, J., Pandey, G., Pandey, R., Russell, R. and Lal, R. Functional Screening of Enzymes and Bacteria for the Dechlorination of Hexachlorocyclohexane by a High-Throughput Colorimetric Assay. *Biodegradation* (doi 10.1007/s10532-013-9650-5). [ISSN : 0923-9820, Impact factor: 2.173]

7. Kaur, J., Kaur, J., Niharika, N and Lal, R. 2012. *Sphingomonas laterariae* LNB2^T sp. nov. Isolated from hexachlorocyclohexane (HCH) contaminated dumpsite in Lucknow. *Int J Syst Environ Microbiol*. 62, 2891–2896. [ISSN : 1466-5026, Impact factor: 2.268]

8. Niharika, N., Sangwan, N., Ahmad, S., Singh, P., Khurana, JP and Lal, R. 2013. Draft Genome Sequence of *Sphingobium chinhatense* IP26^T Isolated from the Hexachlorocyclohexane Dumpsite. *Genome A*. e00680-13. [ISSN: 2169-8287, Impact factor: yet to come]

9. Sangwan, N., Lata, P., Dwivedi, V., Singh, A., Niharika, N., Kaur, J., Anand, S., Malhotra, J., Jindal, S., Nigam, A., Lal, D., Dua, A., Saxena, A., Garg, N., Verma, M., Kaur, J., Mukherjee, U., Gilbert, J.A., Dowd, S.E., Raman, R., Khurana, P., Khurana, J.P., and Lal, R. 2012. Comparative Metagenomic analysis of soil microbial communities across three Hexachlorocyclohexane contamination levels. *PLoS One* : 7, e46219. [eISSN-1932-6203, Impact factor: 3.730]

10. Dwivedi, V., Sangwan, N., Nigam, A., Garg, N., Niharika, N., Khurana, P., Khurana, J.P., and Lal, R. 2012. Draft genome sequence of *Thermus* sp. RL isolated from hot water spring located atop the Himalayan Ranges at Manikaran, India. *J. Bacteriol*: 194, 3534-3535. [ISSN: 0021-9193, Impact factor: 3.593]

11. Kaur, J., Niharika, N., Lata, P. and Lal, R. 2010. “Biofilms: united we stand, divided we fall.” (News and Views). *Indian J. Microbiol*. 50, 364. [ISSN: 0046-8991, Impact factor: 0.457]

12. Jit, S., Dadhwal, M., Kumari, H., Jindal, S., Kaur, J., Lata, P., Niharika, N., Lal, D., Garg, N., Gupta, S. K., Sharma, P., Bala, K., Singh, A., Vijgen, J., Weber R. and Lal, R. 2011. Evaluation of hexachlorocyclohexane contamination from the last Lindane production plant operating in India. *Environ Sci Pol Res*. 18:586–597. [ISSN: 1614-7499, Impact factor: 2.618]

13. Anand, S., Malhotra, J., Dua, A., Garg, N., Saxena, A., Sangwan, N., Lal, D., Verma, M., Jindal, S., Kaur, J., Kumari, K., Nigam, A., Niharika, N., Kaur, J., Jit, S., Bala, K., and Lal, R. 2010. A New Life in a Bacterium through Synthetic Genome: Landmark experiments by Craig Venter. *Indian J. Microbiol*. 50, 125-131. [ISSN: 0046-8991, Impact factor: 0.457]

14. Dwivedi, D., Kumari, K., Gupta, S.K., Kumari, R., Tripathi, C., Negi, P., Niharika, N., Singh, A.K., Kumar, R., Nigam, A., Garg, N., and Lal, R. 2015. *Thermus parvatiensis* RLT sp. nov., Isolated

from a Hot Water Spring, Located Atop the Himalayan Ranges at Manikaran, India. *Indian. J. Microbiol* **55**: 357-365. [ISSN: 0046-8991, Impact factor: 0.457]

15. Garg, N., Lata, P., Jit, S., Sangwan, N., Singh, A. K., Dwivedi, V., **Niharika, N.**, Kaur, J., Saxena, A., Dua, A., Nayyar, N., Kohli, P., Gueke, B., Kunz, P., Rentsch, D., Holliger, C., Kohler, H. P. and **Lal, R.** 2016. Laboratory and field scale bioremediation of hexachlorocyclohexane (HCH) contaminated soils by means of bioaugmentation and biostimulation. *Biodegradation*. **27**: 179-193.

Book Chapters

1. **Neha Niharika**, Sunita K. Yadav, Jyoti Singh. Chapter: Cytokines in the book ‘An interplay of cellular and molecular components of immunology’. December 2022. ISBN: 9781003286424. CRC Press (Taylor and Francis)

2. **Neha Niharika**, Sunita K. Yadav. Essentials of Immunology (Laboratory Manual)/Assay based on agglutination reaction. October 2022. ISBN: 978-81-958057-4-7. Prestige publishers.

3. **Neha Niharika**,. Essentials of Immunology (Laboratory Manual)/.Isolation of lymphocytes from Spleen and Blood, October 2022. ISBN: 978-81-958057-4-7. Prestige publishers.

4. Anand, S., Malhotra, J., **Niharika, N.**, Lal, D., Jindal, S., Kaur, J., Nigam, A., Garg, N., Lata, P., Kaur, J., Sangwan, N., Singh, AK., Dua, A., Saxena, A., Dwivedi, V., Mukherjee, U., Lal, R. 2013. Bioremediation of Hexachlorocyclohexane (HCH) Pollution at HCH Dumpsite. Springer-Verlag Berlin Heidelberg. 387-404.

DR. JYOTSNA SINGH

Research/Review articles

1. Senrung, A., **Singh, J.**, Sharma, S., Bhutia, T.N. and Singh, A.K. “Effect of *Murraya koenigii* extracts on feeding and ovipositional response of *Spodoptera litura* (Fab.) (Lepidoptera: Noctuidae)”. *Journal of Entomology and Zoology Studies*. Vol 2: 27-31. 2014. ISSN# 2320-70782.
2. **J. Singh**, A. Senrung, S. Sharma, T. N. Bhutia, M. R. Devi and A. K. Singh (2017). Influence of temperatures on the survival and development of cowpea aphid, *Aphis craccivora* (Hemiptera: Aphididae). *Indian Journal of Entomology*, 79 (1):111-114. 2017. ISSN 0367-8288.
3. Monkeypox Endemic to Epidemic A review of the current scenario of Monkeypox disease outbreak. Dr. Meenakshi Thakur, Dr. Sushma Bhardwaj, **Dr. Jyotsna Singh**. © 2022 IJRTI | Volume 7, Issue 6 | ISSN: 2456-3315.
4. Three Years of Covid-19 – A Review on India’s Journey through Different Variants and Waves. Dr. Meenakshi Thakur, Dr. Sushma Bhardwaj, **Dr. Jyotsna Singh**, Ms. Anna Senrung, Dr. Jyoti Singh. © 2023 IJRTI | Volume 8, Issue 1 | ISSN: 2456-3315 IJRTI2301005 International Journal for Research Trends and Innovation (www.ijrti.org).
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