

**DOSSIER**  
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**1. Details of the Teacher/ Academic:**

<b>Name:</b>	<b>Dr. Siya Ram</b>
<b>Date of Birth:</b>	20/02/1974
<b>Date of Joining in IGNOU:</b>	16/08/2021
<b>Current Designation:</b>	Associate Professor
<b>Pay Scale as on date:</b>	143600/- (13A,)
<b>Highest Educational Qualifications &amp; Discipline:</b>	PhD; Biochemistry

**2. Honour/Award/Fellowship/Membership of Professional body/ Statutory body (internal/ external) received by the Teacher/ Academic:**

<b>Name of the recipient</b>	<b>Honour /Award/ Fellowship name/ membership of Professional body/ Statutory body</b>	<b>Agency name /Name of statutory body/ institution/ Apex body</b>	<b>Period</b>
Dr. Siya Ram	National Eligibility Test	CSIR, NET-LS,	December 23, 2001
„	Junior Research Fellowship	CSIR, NET- JRF,	December 16, 2002
„	Senior Research Fellowship	CSIR, NET- SRF,	November 15, 2004
„	Best Oral Presentation Award	International Conference on “Toxicology, Environment and Occupational Health, Society of Toxicology, India”	November 17, 2005.
„	Outstanding Researcher Award in the field of Microbiology,	27 <sup>th</sup> Annual Conference of the Indian Association of Clinical Medicine,	November 17, 2019
„	Life member	Society of Bioinformatics and Biological Sciences	April 19, 2018
„	Life Member	Indian Science Congress Association	December 30, 2013
„	Life Member	Association of Microbiologists of India	November 17, 2013

„	Life Member	Biotech Research Society of India	August 20, 2007
„	Life Member	Society of Toxicology India	2006

### 3. Books/Book Chapter:

- Co-author/co-editor if any, title, place of publication, publisher, Year, page (no) s, ISBN No

S. No.	Name of Author1/ Editor 1, & Co-author (s) / Co-editor (s) (if any)	Title of chapter/book	Place of publication	Publisher	Year	Total Pages	ISBN No.
1.	Kumari, R., Rani, M., <b>Ram, S.</b> , Rizvi. M. M. A., & Kumar, A.	Mechanisms and Role of Mitophagy in Neurodegenerative Diseases/ Cell Biology and Research Progress; Mitophagy and its role in health and disease	415 Oser Avenue, Suite N Hauppauge, NY, 11788 USA	<i>Nova Science Publisher, Inc., USA</i>	2024	20	979-8-89113-470-6
2.	Rani, M., Kumari, R., Rizvi. M. M. A., <b>Ram, S.</b> , & Kumar, A.	Mitophagy in Carcinogenesis and Cancer Therapy /Cell Biology and Research Progress; Mitophagy and its role in health and disease	415 Oser Avenue, Suite N Hauppauge, NY, 11788 USA	<i>Nova Science Publisher, Inc., USA</i>	2024	18	979-8-89113-470-6
3.	Kushwaha, M., Mishra, A., Shankar, S., Goel, D., Joshi,	Plant growth-promoting rhizobacteria for sustainable agriculture: recent	Elsevier, Inc., USA	<i>Elsevier - Health Sciences Division</i>	2023	11	978-0-443-15291-7

	S., & Ram, S.	progress and challenges/ Agricultural sustainability; Section-D					
4.	Kumar D., Morya, A., Srivastav, A. L., Ram, S.	Assessment of microbial quality of water supply in mega and metro cities of India and their management. An Overview. <i>"Urban Water crisis and management strategies for sustainable development"</i>	Amsterdam, Netherlands	<i>Elsevier B.V.</i>	2022	22	978-03-239-1838-1
5.	Kumar D., Srivastav, A. L., Ram, S.	Urban Water Quality and Wastewater Discharges In Mega and Metro Cities Of India - Challenges, Impacts, and Management: An Overview <i>"Urban Water crisis and management strategies for sustainable development"</i>	Amsterdam, Netherlands	<i>Elsevier B.V.</i>	2022	22	978-03-239-1838-1
6.	Chaudhary, R. K.; Gupta, V.; Sharma, J., Neyaz, K.M., Gupta, R., Ram, S.	Study the effect of plant-derived antimicrobials (PDAs) on multidrug-tolerant pathogens,	Rajasthan	<i>A sourcebook of herbal pharmacotherapy</i>	2022	11	978-93-5626-998-9

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7.	Naraian, R., Gautam, R. L., <b>Ram, S.</b> , Gupta, M. K.	Rhizoremediation of Polyaromatic Hydrocarbons (PAHs): A Task Force of Plants and Microbe; Phyto and Rhizo Remediation, Microorganisms for Sustainability	Singapore	<i>Springer,</i>	2019	19	978-981-329-664-0
8.	Shanker, S., Singh, S., Shika, Mishra, A., <b>Ram, S.</b>	Strategic Role of Fungal Laccases in Biodegradation of Lignin; Mycodegradation of Lignocelluloses, Fungal Biology,	Switzerland AG-2019	<i>Springer Nature</i>	2019	16	978-3-030-23834-6
9.	Naraian, R., Kumari S., <b>Ram, S.</b> <i>Pleurotus</i>	<i>Pleurotus</i> as an exclusive Eco-friendly modular Biotool; The handbook of microbial bio-resources	Nairobi, Kenya	<i>CABI International</i>	2016	19	978-1-78064-522-3
10	<b>Ram, S.</b> , and Naraian, R.	Real-time Quantitative Polymerase Chain Reaction: A Potential Tool for pathogen detection. Recent Advances in Microbiology ; Recent Advances in Microbiology . Volume 2	USA	<i>Nova Science Publisher, Inc.,</i>	2013	16	978-1-62808-628-7

**4. Research Articles/Publications:**

S. No.	Author/ Co-author (if any)	Title	Name of Journal	Volume	page no. (s)	Year	ISSN No
1.	<b>Ram, S.,</b> Gautam, R.L., Singh, S., Singh, D., Naraian R., Arif, N.	Prevalence of multidrug-resistant enteropathogenic <i>Escherichia coli</i> (EPEC) in river Gomti at Jaunpur city	<i>Cleaner Water</i>	2	1000-48	2024	2950-2632
2.	Rani, M.; Kumari, R.; <b>Ram, S.;</b> Rajvi, M.M. A/	Anti-neoplastic activity of tetrahydro-curcumin in liver cancer by modulating FOXO1/Parkin tumour suppressor genes through <i>in-silico</i> and in-vitro approaches.	<i>Clinical Oncology: Case Reports</i>	7	1-11	2024	2834-5061
3.	Rani, M.; Kumari, R.; <b>Ram, S.;</b> Rajvi, M.M.A.	Molecular Insights of Exonal Polymorphism in Cancer Risk	<i>Annals of Oncology Case Report</i>	4	1018	2024	NA
4.	Soman, S.; <b>Ram, S.</b>	Arginine to glutamine mutation in the substrate binding region impaired the isopentenyl activity of <i>Mycobacterium tuberculosis</i> MiaA,	<i>Molecular Biology Research Communications</i>	13	3-9	2024	2322-181X
5.	Kumari, R.; Shakya, A.K.; Rajvi, M. A.; <b>Ram, S.,</b>	Anticancer potential of Bioactive compound from <i>Moringa oleifera</i> against PARK 2 in oral cancer protein	<i>Journal of Ayurveda &amp; Holistic Medicine</i>	9	44-44-57	2024	0321-1563

		in-silico-approaches					
6.	Soman, S.; Chattopadhyay, S.; <b>Ram, S.</b> ; Nandicoori, V. K.; Arimbasseri, G.A.	Codon optimality has minimal effect on determining translation efficiency in <i>Mycobacterium tuberculosis</i>	<i>Scientific Reports</i>	13	415	2023	2045-2322
7.	Anita, K.; Naraian, R.; <b>Ram, S.</b>	Prevalence of Multidrug Resistance and Virulence Genes in <i>Escherichia coli</i> Isolates from Hindon River Water, Western Uttar Pradesh, India	<i>Journal of Chemical Health Risks</i>	13	3586 - 3599	2023	2251-6727
8.	Anita, K.; Naraian, R.; <b>Ram, S.</b>	Physicochemical And microbiological analysis of the Hindon River water in western Uttar Pradesh, India	<i>European Chemical Bulletin</i>	12	3444 - 3457	2023	2063-5346
9.	Soman, S; <b>Ram, S.</b>	MiaA (Rv2727c) mediated tRNA isopentenylolation of <i>Mycobacterium tuberculosis</i> H37Rv,	<i>Molecular Biology Research Communications (MBRC)</i>	11(2)	97-104	2022	<a href="#">2322-181X</a>
10.	Garg, G.; Yadav, S.K.; Wahi, N.; <b>Ram, S.</b>	Potential emerges of therapeutic protein production using glycol engineering technology of plants	<i>Trends in Carbohydrate Research</i>	14(1)	35-44	2022	0975-0304
11.	Singh, G.; Chhabra, M.; Singh, P.; Gupta, N. K.; Singhal, M.; Dhariwal,	Molecular study of glycoprotein (G) gene region of rabies virus from spotted deer, Delhi, India	<i>Journal of Communicable Disease</i>	50	28-35	2018	0019-5138

	A.C.; <b>Ram, S.</b>						
12.	Chaudhary, R. K.; Singh, G.; <b>Ram, S.</b>	Structural and functional in-silico analysis of toxin-antitoxin proteins in persister cells of <i>Pseudomonas aeruginosa</i>	<i>Plant Archives</i>	18	1643 - 1651	2018	0972-5210
13.	Chaudhary, R. K.; Singh, G.; <b>Ram, S.</b>	Homology Modelling and <i>In-silico</i> Structural Annotation of the Toxin-Antitoxin Systems in <i>Pseudomonas aeruginosa</i>	<i>Indian Research Journal of Genetics &amp; Biotechnology</i>	10	180-188	2018	0227-1913
14.	Singh, G.; Jaiswal, R.; Chhabra, M.; Sood, Y.; Gupta, N.; Singhal, M.; Tiwari, S.; Dhariwal, A.C.; Sharma, R., <b>Ram, S.</b>	Evaluation of Direct Rapid Immunohistochemistry Test (DRIT) for Postmortem Diagnosis of Rabies	<i>Journal of Communicable Disease</i>	49	9-13	2017	0019-5138
15.	Lata, P.; <b>Ram, S.</b> , Shanker, R.	Multiplex PCR-based genotypic characterization of pathogenic vancomycin-resistant <i>Enterococcus faecalis</i> recovered from an Indian river along a city landscape.	<i>Springer Plus</i>	5	1199	2016	2193-1801
16.	Naraian, R.; Singh, M. P; <b>Ram, S.</b>	Supplementation of basal substrate to boost up substrate strength and oyster mushroom yield: An overview of	<i>International Journal of Current Microbiology and Applied Sciences</i>	5	543-553	2016	2319-7706

		substrates and supplements					
17.	Naraian, R.; <b>Ram, S.</b> ; Kaistha, S.D.; Srivastava, J.	Occurrence of plasmid linked multiple drug resistance in bacterial isolates of tannery effluent.	<i>Cellular and Molecular Biology</i>	58	134-141	2012	0014-5680
18.	<b>Ram, S.</b> ; Vajpayee, P.; Dwivedi, PD; Shanker, R.	Culture-free detection and enumeration of STEC in water.	<i>Ecotoxicology and Environmental Safety</i>	74	551-557	2011	0147-6513
19.	Naraian, R., <b>Ram, S.</b> , Srivastava, J., Kumar, J., Singh, K.P., Garg, S. K.	Influence of metal ions on growth and enzyme profile of white-rot fungus <i>Pleurotus florida</i> ITCC 3308,	<i>Research in Environment and Life Science</i>	3	59 - 64	2010	0974-4908
20.	Singh, G.; Vajpayee, P.; <b>Ram, S.</b> ; Shanker, R.	Environmental reservoirs for enterotoxigenic <i>Escherichia coli</i> in South Asian Gangetic riverine system.	<i>Environmental Science &amp; Technology</i>	44	6475 - 6480	2010	0013-936X
21.	Jyoti, A.; <b>Ram, S.</b> ; Vajpayee, P.; Singh, G.; Dwivedi, P.; Jain, S.K.; Shanker, R.	Contamination of surface and potable water in South Asia by salmonellae: Culture-independent quantification with molecular beacon real-time PCR.	<i>Science of the Total Environment</i>	408	1256 - 1263	2010	0048-9697
22.	<b>Ram, S.</b> ; Vajpayee, P.; Shanker, R.	Enterotoxigenic <i>Escherichia coli</i> in sewage impacted waters and aquatic weeds: quantitative PCR for culture-independent enumeration.	<i>Journal of Applied Microbiology</i>	108	1007 - 1014	2010	1364-5072

23.	Lata, P.; <b>Ram, S.</b> ; Agarwal, M.; Shanker, R.	Enterococci in river Ganga surface waters: Propensity of species distribution, dissemination of antimicrobial-resistance and virulence markers among species along the landscape.	<i>BMC Microbiology</i>	9	140	2009	1471-2180
24.	Lata, P.; <b>Ram, S.</b> ; Agarwal, M.; Shanker, R.	Real-time PCR for rapid detection of <i>vanA</i> gene in surface waters and aquatic macrophytes by molecular beacon probe.	<i>Environmental Science &amp; Technology</i>	43	3343 - 3348	2009	0013-936X
25.	<b>Ram, S.</b> ; Vajpayee, P.; Singh, R. L.; Shanker, R.	Surface water of a perennial river exhibits multi-antimicrobial resistant Shiga-toxin and enterotoxin-producing <i>Escherichia coli</i>	<i>Ecotoxicology and Environmental Safety</i>	72	490 - 495	2009	0147-6513
26.	<b>Ram, S.</b> ; Vajpayee, P.; Tripathi, U.; Singh, R.L.; Seth, P. K.; Shanker, R.	Determination of antimicrobial resistance and virulence gene signatures in surface water isolates of <i>Escherichia coli</i>	<i>Journal of Applied Microbiology</i>	105	1899 - 1908	2008	1364-5072
27.	<b>Ram, S.</b> ; Singh, R. L.; Shanker, R.	In-silico comparison of real-time PCR probes for detection of pathogens.	<i>In-silico biology</i>	8	251 - 259	2008	1386-6338
28.	<b>Ram, S.</b> ; Vajpayee, P.; Shanker, R.	Rapid culture-independent quantitative detection of enterotoxigenic <i>Escherichia coli</i> in surface waters by	<i>Environmental Science &amp; Technology</i>	42	4577 - 4582	2008	0013-936X

		real-time PCR with molecular beacon.					
29.	<b>Ram, S.;</b> Vajpayee, P.;	Contamination of potable water distribution systems by multi-antimicrobial resistant enterohemorrhagic <i>Escherichia coli</i>	<i>Environmental Health Perspectives</i>	116	448 - 452	2008	0091-6765
30.	<b>Ram, S.;</b> Vajpayee, P.;	Prevalence of multi-antimicrobial agent resistant, Shiga toxin and enterotoxin producing <i>Escherichia coli</i> in surface waters of river Ganga	<i>Environmental Science &amp; Technology</i>	41	7383 - 7388	2007	0013-936X
31.	<b>Ram, S.;</b> Vajpayee, P.;	Virulence determinants of Shiga-toxin and entero-toxin-producing <i>E. coli</i> exhibit distinct patterns in three perennial Indian rivers.	<i>Advances in Life Sciences</i>	1	1-8	2007	0974-4649
32.	<b>Ram, S.;</b> Shanker, R.	Computing TaqMan probe for multiplex PCR detection of <i>E. coli</i> O157 serotype in water	<i>In-silico biology</i>	5	499 - 504	2005	1386-6338
33.	<b>Ram, S.;</b> Shanker, R.	Plasmid and drug resistance profile of sorbitol non-fermenting cefixime- tellurite resistance <i>Escherichia coli</i> isolates from the river Gomti	<i>Bulletin of Environmental Contamination and Toxicology</i>	75	623 - 628	2005	0007-4861

**5. Policy Documents Reports/ Mimeos: NA**

S. No.	Title	Institution/ Agency	Year
1.			

2.			
3.			

**6. MOOCs/ eSLMs/ eModules developed :**

S. No.	Author/ Co-author (if any)	Title	Credits	Level	Host Portal: (SWAYAM / NPTEL/ NMEICT/ ePG Pathshala/ Any Other)	Year	Weblink
1.	S. K. Sagar & Siya Ram	Siphonaptera as disease vectors; Unit 7."	0.25	UG	Any Other	2021	<a href="https://egyankosh.ac.in/handle/123456789/85347">https://egyankosh.ac.in/handle/123456789/85347</a>
2.	S. K. Sagar & Siya Ram	Siphunculata (Lice) as disease vectors; Unit 8."	0.25	UG	Any Other	2021	<a href="https://egyankosh.ac.in/handle/123456789/85348">https://egyankosh.ac.in/handle/123456789/85348</a>
3.	Siya Ram, Ravi Rajwanshi & Bhupinder Dhir	Molecular Technique; Unit 13"	0.25	UG	Any Other	2022	<a href="https://egyankosh.ac.in/handle/123456789/86111">https://egyankosh.ac.in/handle/123456789/86111</a>
4.	Siya Ram, Ravi Rajwanshi & Bhupinder Dhir	Recombinant DNA Technology; Unit 14"	0.25	UG	Any Other	2022	<a href="https://egyankosh.ac.in/handle/123456789/86112">https://egyankosh.ac.in/handle/123456789/86112</a>
5.	Siya Ram, Ravi Rajwanshi & Bhupinder Dhir	Application of Plant Biotechnology ; Unit 15	0.25	UG	Any Other	2022	<a href="https://egyankosh.ac.in/handle/123456789/86113">https://egyankosh.ac.in/handle/123456789/86113</a>
6.	Anju Jain & Siya Ram	Working of the Immune System I; Unit 9	0.25	UG	Any Other	2022	<a href="https://egyankosh.ac.in/handle/123456789/80011">https://egyankosh.ac.in/handle/123456789/80011</a>

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7.	Anju Jain & Siya Ram	Working of the Immune System IV; Unit 12	0.25	UG	Any Other	2022	<a href="https://egyankosh.ac.in/handle/123456789/80019">https://egyankosh.ac.in/handle/123456789/80019</a>
8.	Siya Ram	Siphonaptera as disease vectors; Unit 7 (Hindi)	0.25	UG	Any Other	2022	<a href="https://egyankosh.ac.in/handle/123456789/87775">https://egyankosh.ac.in/handle/123456789/87775</a>
9.	Siya Ram	Siphunculata (Lice) as disease vectors; Unit 8 (Hindi)	0.25	UG	Any Other	2022	<a href="https://egyankosh.ac.in/handle/123456789/87776">https://egyankosh.ac.in/handle/123456789/87776</a>
10.	Siya Ram & Kumkum Chaturvedi	Molecular Techniques; Unit 13 (Hindi)	0.25	UG	Any Other	2022	<a href="https://egyankosh.ac.in/handle/123456789/87704">https://egyankosh.ac.in/handle/123456789/87704</a>
11.	Siya Ram & Kumkum Chaturvedi	Recombinant DNA Technology; Unit 14 (Hindi)	0.25	UG	Any Other	2022	<a href="https://egyankosh.ac.in/handle/123456789/87706">https://egyankosh.ac.in/handle/123456789/87706</a>
12.	Siya Ram & S. N. Singh	Application of Plant Biotechnology ; Unit 15 (Hindi)	0.25	UG	Any Other	2022	<a href="https://egyankosh.ac.in/handle/123456789/87707">https://egyankosh.ac.in/handle/123456789/87707</a>
13.	Siya Ram & Kumkum Chaturvedi	Working of the immune system I; Unit 9 (Hindi)	0.25	UG	Any Other	2022	<a href="https://egyankosh.ac.in/handle/123456789/86337">https://egyankosh.ac.in/handle/123456789/86337</a>
14.	Siya Ram & Kumkum Chaturvedi	Working of the immune system IV; Unit 12 (Hindi)	0.25	UG	Any Other	2022	<a href="https://egyankosh.ac.in/handle/123456789/86343">https://egyankosh.ac.in/handle/123456789/86343</a>
15.	Santosh Kumar & Siya Ram	Actin Filaments; Unit-2	0.25	UG	Any Other	2024	<a href="https://egyankosh.ac.in/handle/123456789/102072">https://egyankosh.ac.in/handle/123456789/102072</a>
16.	Arvind K. Shakya & Siya Ram	Microtubules; Unit-3	0.25	UG	Any Other	2024	<a href="https://egyankosh.ac.in/handle/123456789/102074">https://egyankosh.ac.in/handle/123456789/102074</a>
17.	Neetu Sharma & Siya Ram	Intermediate Filaments; Unit-4	0.25	UG	Any Other	2024	<a href="https://egyankosh.ac.in/handle/123456789/102076">https://egyankosh.ac.in/handle/123456789/102076</a>

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18.	Bhupendra Dhir & Siya Ram	Biology of Membrane and Transport of Ions; Unit-5	0.25	UG	Any Other	2024	<a href="https://egyankosh.a.c.in/handle/123456789/102092">https://egyankosh.a.c.in/handle/123456789/102092</a>
19.	Anjali, S. Nawani & Siya Ram	Neurotransmitters Secretion; Unit-8	0.25	UG	Any Other	2024	<a href="https://egyankosh.a.c.in/handle/123456789/102099">https://egyankosh.a.c.in/handle/123456789/102099</a>
20.	Santosh Kumar & Siya Ram	Cell Cycle, Unit-9	0.25	UG	Any Other	2024	<a href="https://egyankosh.a.c.in/handle/123456789/102103">https://egyankosh.a.c.in/handle/123456789/102103</a>
21.	Anjali, S. Nawani & Siya Ram	Cell Cycle Regulation; Unit-10	0.25	UG	Any Other	2024	<a href="https://egyankosh.a.c.in/handle/123456789/102105">https://egyankosh.a.c.in/handle/123456789/102105</a>
22.	Poonam Sharma & Siya Ram	Development of e-resources on the topic "Intracellular Protein Turnover; Unit-11"	0.25	UG	Any Other	2024	<a href="https://egyankosh.a.c.in/handle/123456789/102106">https://egyankosh.a.c.in/handle/123456789/102106</a>
23.	Siya Ram	"Nature of Enzymes; Unit-11"	0.25	PG	Any Other	2024	<a href="https://egyankosh.a.c.in/handle/123456789/104850">https://egyankosh.a.c.in/handle/123456789/104850</a>
24.	Siya Ram	"Enzyme Kinetic; Unit-12"	0.25	PG	Any Other	2024	<a href="https://egyankosh.a.c.in/handle/123456789/104853">https://egyankosh.a.c.in/handle/123456789/104853</a>
25.	Siya Ram	"Enzyme Inhibition; Unit-13"	0.25	PG	Any Other	2024	<a href="https://egyankosh.a.c.in/handle/123456789/104854">https://egyankosh.a.c.in/handle/123456789/104854</a>
26.	Mohd. Tashfeen Ashraf & Siya Ram	Regulation of Enzyme Activity; Unit-14	0.25	PG	Any Other	2024	<a href="https://egyankosh.a.c.in/handle/123456789/104855">https://egyankosh.a.c.in/handle/123456789/104855</a>
27.	Monika Sharma & Siya Ram	Energetic and Design of Living System-I; Unit-15	0.25	PG	Any Other	2024	<a href="https://egyankosh.a.c.in/handle/123456789/104858">https://egyankosh.a.c.in/handle/123456789/104858</a>
28.	Arvind K. Shakya & Siya Ram	Energetic and Design of Living System-II; Unit-16	0.25	PG	Any Other	2024	<a href="https://egyankosh.a.c.in/handle/123456789/104859">https://egyankosh.a.c.in/handle/123456789/104859</a>

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29.	Kameshwar Sharma & Siya Ram	Metabolic Network Unit-17	0.25	PG	Any Other	2024	<a href="https://egyankosh.ac.in/handle/123456789/104860">https://egyankosh.ac.in/handle/123456789/104860</a>
30.	Kameshwar Sharma & Siya Ram	Integration of Metabolism-I, Unit-18	0.25	PG	Any Other	2024	<a href="https://egyankosh.ac.in/handle/123456789/104861">https://egyankosh.ac.in/handle/123456789/104861</a>
31.	Abdul Kareem Siya Ram	Integration of Metabolism-II, Unit-18	0.25	PG	Any Other	2024	<a href="https://egyankosh.ac.in/handle/123456789/104862">https://egyankosh.ac.in/handle/123456789/104862</a>

**7. Presentation/Invited talk/Chair in National or International Seminar/Conference/ Workshops (Please do not mention if it is only participation without presentation)**

S. No.	Author/ Co-author (if any)	Title of presentation, /Talk/Lecture	Name Organizing institute	Conference	City	Date and Year
1.	Ram, S.	Leveraging antiviral lectins for developing glycan-based vaccines by employing standard and AI-driven approaches.	Gautam Buddha University	IEEE International Conference on Cognitive Computing in Engineering, Communications, Sciences and Biomedical Health Informatics	Greater Noida	January 17, 2025
2.	Ram, S.	Writing of project proposal and funding sources	Amity Academic Staff Collage & Amity Institute of Forensic Sciences, Noida	2nd Edition of 15th Days Refresher Course on "Advancement in Interdisciplinary Research & Teaching in Science & Technology and IPR"	Uttar Pradesh	December 18, 2024
3.	Ram, S.	A rapid, highly sensitive and culture-free detection of enterotoxigenic <i>E. coli</i> in various food matrices by molecular beacon	AKS University,	International Conference on Advances and Innovations in Biotechnology for Sustainable Development	Satna	April 5 <sup>th</sup> to 7 <sup>th</sup> , 2019.

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4.	Ram, S.	Use of bentonite-coated activated carbon (BCAC) composites to increase the sensitive detection of enterotoxigenic <i>E. coli</i> from surface water	Central University of Rajasthan, Ajmer, India,	International Conference on Molecular Basis of Disease and Therapeutics	Ajmer,	March 8 <sup>th</sup> to 10 <sup>th</sup> , 2019.
5.	Ram, S.	Culture-free detection of EHEC & ETEC in drinking water using milk protein-coated activated carbon (MP-CAC) along with real-time PCR assay	Zakir Husain Delhi College, University of Delhi	National Conference on Water Sustainability: Conservation, Policy Ethics and Science, Department of Environmental Studies & Srishiti: Nature and Environment Society	Delhi	Jan., 21 <sup>th</sup> to 22 <sup>th</sup> , 2020
6.	Ram, S.	Metabolomics and metagenomics of gut microbiota to rescue the patients of diabetic	Gautam Buddha University, Gr. Noida	27 <sup>th</sup> Annual Conference of the Indian Association of Clinical Medicine	Greater Noida	Nov. 15 <sup>th</sup> to 17 <sup>th</sup> , 2019
7.	Ram, S.	Application of microbial cells for the production of sustainable biofuel	Gautam Buddha University, Gr. Noida	Future technologies of renewable energy and smart micro-grids	Greater Noida	Feb. 2 <sup>nd</sup> to 7 <sup>th</sup> , 2019
8.	Ram, S.	Role of machine learning in medical image processing	Gautam Buddha University, Gr. Noida	Machine learning and its applications (STC-MLA, 2019)	Greater Noida	February, 2 <sup>nd</sup> to 7 <sup>th</sup> , 2019.
9.	Ram, S.	Session coordinator	Gautam Buddha University, Gr. Noida	Machine learning and its applications (STC-MLA, 2019)	Greater Noida	February, 2 <sup>nd</sup> to 7 <sup>th</sup> , 2019.

**8. Consultancy assignment (if any):**

S. No.	Organization/ agency	Cost, title of consultancy	Duration

**9. Details of Institution/ Government/ Industry / own Institution Sponsored Research Projects (including Programme Evaluation) and Amount (Both completed and ongoing):**

S. No.	Agency	Amount	Duration with dates	Status, i.e. ongoing/ completed
1	SERB	Rs 2353000/	3 Years, 2012-2015	Completed

**10. Details of PhD and MPhil Scholars (including those awarded degrees):**

S. No.	Name and enrolment no:	Year of registration	Year of completion/ award
1.	Mr. Giriraj Singh; Enrol: BT/PhD/2011/003	2013	2019
2.	Mr. Ravi Kumar Chaudhary; Enrol: BT/PhD/2012/008	2013	2019
3.	Ms Smitha Soman; Enrol: BT/PhD/2019/18	2019	2023
4.	Ms. K. Anita; Enrol: BT/PhD/2019/08	2019	2025
5.	Ms. Rashmi Kumari; Enrol: 173101926	2017	2025 (Thesis Submitted only)

**11. Details of Programmes/ Courses coordinated/ written/ edited/ translated (if applicable):**

S. No.	Program me	Course (Course code/ Name)	Unit (print)/ Audio/Video/ eSLM	Coordinated/Written/ Edited (content/ language/ format)/ Translated	Period
1.	BSC	Cell Biology LSE-01	Print and eSLM	Coordinated	15/09/2021 - being continued)

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2.	BSC	Ecology LSE-02,	Print and eSLM	Coordinated	15/09/2021 - 02/02/2023
3.	BSC	Genetics LSE-03,	Print and eSLM	Coordinated	15/09/2021 - 02/02/2023
4.	BSC	Laboratory LSE-04L, Course-1	Print and eSLM	Coordinated	15/09/2021 - 02/02/2023
5.	BSC	Taxonomy and Evolution LSE-07,	Print and eSLM	Coordinated	15/09/2021 - being continued)
6.	Diploma	Fresh Water Aquaculture BAQ-002,	Print and eSLM	Coordinated	15/09/2021 - being continued
7.	Diploma	Fresh Water Aquaculture Lab. BAQL-001,	Print and eSLM	Coordinated	15/09/2021 - being continued
8.	BSCG	Biodiversity (Microbes, Algae, Fungi and Archegoniates ) BBYCT-131	Print and eSLM	Coordinated	04/11/2023 - 01/02/2023
9.	BSCG	Biodiversity (Microbes, Algae, Fungi and Archegoniates ) Lab BBYCT-132	Print and eSLM	Coordinated	04/11/2023 - 01/02/2023
10.	BSCG	Plant Ecology and Taxonomy BBYCT-133	Print and eSLM	Coordinated	04/11/2023 - 01/02/2023
11.	BSCG	Plant Ecology and Taxonomy Lab. BBYCT-133	Print and eSLM	Coordinated	04/11/2023 - 01/02/2023
12.	BSCG	Cell and Molecular Biology BBYCT-141	Print and eSLM	Coordinated	04/11/2023 - 01/02/2023
13.	BSCG	Cell and Molecular Biology Lab. BBYCL-142	Print and eSLM	Coordinated	04/11/2023 - 01/02/2023

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14.	BSC	Developmental Biology LSE-06 (Part I)	Print and eSLM	Coordinated	04/11/2023 - 01/02/2023
15.	BSCG	Physiology and Biochemistry BZYCT-135	Print and eSLM	Coordinated	02/02/2023 - being continued
16.	BSCG	Physiology and Biochemistry Lab. BZYCL-135	Print and eSLM	Coordinated	02/02/2023 - being continued
17.	BSCG	Immunology BZYCT-141	Print and eSLM	Coordinated	02/02/2023 - being continued
18.	BSCG	Immunology Lab. BZYCL-135	Print and eSLM	Coordinated	02/02/2023 - being continued
19.	MSCZOO	Molecular Cell Biology MZO-001	Print and eSLM	Coordinated	17/02/2023 - being continued
20.	MSCZOO	Comparative Animal Physiology and Biochemistry MZO-003	Print and eSLM	Coordinated	17/02/2023 - being continued
21.	MSCZOO	Biostatistics and Bioinformatics MZO-006,	Print and eSLM	Coordinated	17/02/2023 - being continued
22.	MSCZOO	Immunology MZO-008,	Print and eSLM	Coordinated	17/02/2023 - being continued

**12. Training programmes designed and conducted, duration and dates**

S. No.	Programme	Dates	Place	Number of Participants

**13. Details of Counselling sessions conducted:**

S. No.	Programme	Course	Place	Dates	Duration	Mode (Specify- Face to Face Radio counselling/ Teleconferencing/ Web conferencing)

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						Any Other)
<b>Interactive Radio Counselling</b>						
1.	BSCG	BZYET-141 Immunology; Overview of the immune system	GYAN -VANI	21/09/ 2021	1h	Radio counselling
2.	BSCG	BZYET-141 Immunology: An introduction to Vaccines and immunization	GYAN -VANI	15/03/ 2022	1h	Radio counselling
3.	BSCG	BZYET-141 Immunology; Cells and Organs of Immune System	GYAN -VANI	17/04/ 2022	1h	Radio counselling
4.	BSCG	BZYET-141 Immunology; An introduction to vaccines and immunization	GYAN -VANI	15. 03.20 22	1h	Radio counselling
5.	BSCG	BZYET-141 Immunology; Immunological Techniques.	GYAN -VANI	21/08/ 2022	1h	Radio counselling
6.	BSCG	BZYET-141 Immunology; Cytokines and their functions	GYAN -VANI	29/11/ 2022	1h	Radio counselling
7.	BSCG	BZYET-135 Physiology and Biochemistry; Enzyme, Specificity and Mechanism of Action	GYAN -VANI	Oct. 15 <sup>th</sup> , 2023	1h	Radio counselling
8.	BSCG	BZYET-135 Physiology and Biochemistry; Enzyme kinetics and re gulation	GYAN -VANI	Dece mber 17, 2023.	1h	Radio counselling

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9.	BSCG	BZYET-135 Physiology and Biochemistry; Free Radicals and Antioxidants	GYAN -VANI	Marc h 26, 2024.	1h	Radio counselling
<b>Live teleconference sessions on the Gyan Darshan Channel</b>						
1.	BSCG	Viruses: General Account & Economic Importance	Gyan- Darshan	May 3 <sup>rd</sup> , 2023	1h	Teleconferencing
2.	BSCG	Viruses: Replication	Gyan- Darshan	May 11 <sup>th</sup> , 2023	1h	Teleconferencing
3.	BSCG	Bacteria: General Account and Economic Importance	Gyan- Darshan	May 19 <sup>th</sup> , 2023	1h	Teleconferencing
4.	BSCG	Overview of Immune System	Gyan- Darshan	May 24 <sup>th</sup> , 2023	1h	Teleconferencing
5.	BSCG	Component of Immune System-I	Gyan- Darshan	May 31 <sup>st</sup> , 2023	1h	Teleconferencing
6.	BSCG	Component of Immune System-II	Gyan- Darshan	June 6 <sup>th</sup> , 2023	1h	Teleconferencing
7.	BSCG	Organs of the Immune system	Gyan- Darshan	June 9 <sup>th</sup> , 2023	1h	Teleconferencing
8.	BSCG	Cells of the Immune system	Gyan- Darshan	June 16 <sup>th</sup> , 2023	1h	Teleconferencing
9.	BSCG	Antigens	Gyan- Darshan	July 14 <sup>th</sup> , 2023	1h	Teleconferencing
10.	BSCG	Antibodies	Gyan- Darshan	July 21 <sup>th</sup> , 2023	1h	Teleconferencing
11.	BSCG	Antigen- antibody interaction	Gyan- Darshan	July 27 <sup>th</sup> , 2023	1h	Teleconferencing
12.	BSCG	Working of the Immune System-I	Gyan- Darshan	Aug. 11 <sup>th</sup> , 2023	1h	Teleconferencing

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13.	BSCG	Working of the immune system-II	Gyan-Darshan	Aug. 24 <sup>th</sup> , 2023	1h	Teleconferencing
14.	BSCG	Working of the immune system-III	Gyan-Darshan	Sep. 29 <sup>th</sup> , 2023	1h	Teleconferencing
15.	BSCG	Immune System in Health and Disease-I	Gyan-Darshan	October 24, 2023	1h	Teleconferencing
16.	BSCG	Working of the immune system-IV	Gyan-Darshan	Oct. 27 <sup>th</sup> , 2023	1h	Teleconferencing
17.	BSCG	Health and Disease-II	Gyan-Darshan	Oct. 30 <sup>th</sup> , 2023	1h	Teleconferencing
18.	BSCG	Vaccine	Gyan-Darshan	Nov. 06 <sup>th</sup> , 2023	1h	Teleconferencing

**14. Details of Patents granted (if any): NA**

**15. Contribution to IGNOU's corporate life:**

S. No.	Chairperson/ Member of Committee	Name of the Committee	Date/ period
1.	Member of Committee	Cleanliness Committee, SOS	August 3 <sup>rd</sup> , 2022
2.	Member of Committee	IT Committee, SOS	August 2 <sup>nd</sup> Aug. 2022
3.	Member of Committee	Social Media Group, SOS	Jan. 12 <sup>th</sup> 2023

**16. Administrative position/s held in the University (even as in charge)**

S. No.	Designation	Period
1.	Lab-in charge of the Laboratory of Discipline of Life Sciences	28-10-2024 - Being continued
2.	Research Programme Coordinator	03/01/2024- Being continued
3.	School Board Member	15/12/2022 - 14/12/2024
4.	Discipline Group Coordinator	October 05, 2021, February 28, 2023
5.	Member School Council	16 <sup>th</sup> Aug. 2021- till date
6.	Member Secretary Bio-safety (IBS) Committee	July 18, 2020
7.	Member of Institutional Bio-safety (IBS) Committee	October 05, 2016
8.	Member of Sc/St Committee	July 22, 2019
9.	Member of Library Committee.	April 19, 2012
10.	Examination Coordination Committee	October 16, 2013

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11.	Member of Anti-ragging Committee	March 02, 2012
12.	Warden of Birsa Munda Hostel	May 30, 2011
13.	Committee Member of Grievance Redressal/suggestion Cell for Student	June 17, 2011
14.	Member of tender preparation and advertisement Committee	June 08, 2011
15.	Warden of Married Research Scholar Hostel	July 27, 2009

**17. Any other contribution/information**



**Dr. Siya Ram**  
**Signature of Teacher /Academic**