

ACHIEVEMENTS OF FACULTY MEMBERS

ZOOLOGY DEPARTMENT 2021-22

Information about research grants, projects completed and ongoing during last year:

Sr. No.	Name of the Principal Investigator (Co-investigator)	Nature of the project{major/minor/any other/ Interdisciplinary Projects/ Industry sponsored Projects/ Projects sponsored by the University/ student research projects (other than compulsory by university)}	Name of the Project	Funding Agency, Duration(in days)& date of sanction	Total Grant-Amount (in Lakh)	Amount received during the academic year	Status of Project (Submitted/ Ongoing)	Remarks if any (Publication/ Award/ Patent)	Total Amount received by department (in INR)
1	Dr. Varsha Singh	Major	DST SERB Core Research Grant	DST-SERB (1095 days) 05-01-2022	Rs.19,80,000	Rs. 1193 500/-	Ongoing	-	-

Funds received at College level through Corpus fund:

Sr. No.	Name of the Principal Investigator (Co-investigator)	Title of the Project	Funding Agency, Duration & date of sanction	Amount (in INR)	Status of Project (Submitted/ Ongoing)	Remarks if any (Publication/ Award/ Patent)	Total Amount received by department (in INR)
	Dr. K Vandana Rani and Dr. Shanuja Beri	The Living Green Wall: An Educational Exposition of Bottle Vertical Garden	Kalindi College Sept 2021	20,000	Ongoing		20,000
	Dr. Shanuja Beri, Dr. Priya Singh, Dr. Janhawi, Dr. Rani	“Assessment Of Cancer Prevalence in Indian Population and Understanding the Presence And Effect Of BPA As Carcinogen”	Kalindi College Sept 2021	27000	Ongoing		
	Dr. Shanuja Beri, Prof	Assessment Of PCOS In Indian Female	Kalindi College	30000	Ongoing		

	Punita Verma, Dr. Pavan	Population and Understanding the Amelioration Of Its Complication By Lifestyle Regulation	Sept 2021				
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Papers published in UGC listed journals:

S. N.	Level/type (national/ international)	Papers published in UGC listed journals (in APA format)	Citations	h-index *	Impact factor range/Average Impact factor*	Web-Link
1	International (Dr. Manisha Arora Pandit)	Pandit, M. A., Kumar, J., Gulati, S., Bhandari, N., Mehta, P., Katyal, R., Rawat, C. D., Mishra, V., & Kaur, J. (2022, February 19). Major Biological Control Strategies for Plant Pathogens. <i>Pathogens</i> MDPI;	15	2	4.531	https://doi.org/10.3390/pathogens11020273
2	National (Dr. Manisha Arora Pandit)	Pandit, M. A., Gulati, S., Bhandari, N., Tarkeshwar, Mehta, P. M., Katyal, R., Rawat, C. D., & Kaur, J. (2022, April 1). Sustainable Management Strategies and Biological Control in Apple Orchards-Indian perspective. <i>Plant Science Today</i> , 9(2), 443–453.			0.37	doi.org. https://doi.org/10.14719/pst.1547
3	International (Dr. Manisha Arora Pandit)	Rawat, V. S., Kaur, J., Bhagwat, S., Pandit, M. A., & Rawat, C. D. (2022). Deploying microbes as drivers and indicators in ecological restoration. <i>Restoration Ecology</i> .			3.404	https://doi.org/10.1111/rec.13688
4	International (Dr. Manisha Arora Pandit)	Gulati, S., Chitralekha, P., Pandit, M. A., Katyal, R., Bhandari, N., Mehta, P., Rawat, C. D., Kaur, S., & Kaur, J. (2022). Diversity, succession and seasonal variation of phylloplane mycoflora of <i>Leucaena leucocephala</i> in relation to its leaf litter decomposition. <i>Journal of</i>			5.816	https://doi.org/10.3390/jof8060608

		<i>Fungi (Basel, Switzerland)</i> , 8(6), 608.				
5	National (Dr. Tarkeshwar)	Kapinder, Bhardwaj, K., Singh, S. and Tarkeshwar (2022). Biofabricated nanoparticles: Their delivery and utility in <i>Plutella xylostella</i> management. <i>Indian Journal of Biochemistry & Biophysics</i> , 59, 399-404, DOI: 10.56042/ijbb.v59i4.61957, ISSN 0975-0959 (Online), 0301-1208 (Print)	NA		1.91	http://op.niscair.res.in/index.php/IJBB/article/view/61957
6	International (Dr. Manisha Arora Pandit and Dr. Tarkeshwar)	Pandit, M.A., Gulati, S., Bhandari, N., Tarkeshwar , Mehta, P., Katyal, R., Rawat, C. D. and Kaur, K. (2022). Sustainable Management Strategies and Biological Control in Apple Orchards – Indian Perspective. <i>Plant Science Today</i> , Vol 9(2): 443–45. DOI: https://doi.org/10.14719/pst.1547 ISSN 2348-1900 (online)	NA		0.83	https://horizonpublishing.com/journals/index.php/PST/article/view/1547
7	International (Dr. Tarkeshwar)	Kumar, V., Sood, A., Munshi, A., Gautam, T. and Kulharia, M. (2021). Geometrical and electrostatic determinants of protein-protein interactions. <i>Bioinformatics</i> , 17(10) 851-860. DOI: 10.6026/97320630017851 ISBN: 0973-2063(online),0973-8894(Print)	1		6.937	http://www.bioinformatics.net/017/97320630017851.htm https://www.ncbi.nlm.nih.gov/pmc/articles/PMC9070632/

Papers published in peer reviewed journals:

S.N.	Level/type (national/ international)	Papers published in UGC listed journals (in APA format)	Citations	h- index *	Impact factor range/ Average Impact factor*	Web-Link
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1	International (Dr. Tarkeshwar)	Tarkeshwar, Das,A., Thakur, S., Ruchika, K., Choudhary, K. and Kapinder (2022). Nanoparticles: applications in medicine and agriculture. <i>International Journal of Scientific and Research Publications</i> , 12 (3), 28-33. DOI: http://dx.doi.org/10.29322/IJSRP.12.03.2022.p12306 ISSN: 2250-3153	NA		7.66	https://www.ijsrp.org/research-paper-0322.php?rp=P12312042
2	International (Dr. Tarkeshwar)	Kapinder, Tarkeshwar, and Singh A.K. (2021). Influence of different odours on the associative learning of larval parasitoid <i>Cotesia plutellae</i> (K.) (Hymenoptera: Braconidae). <i>Journal of Advanced Zoology</i> , 42 (1) 20-33. DOI: https://doi.org/10.17762/jaz.v42i01.2762 ISSN: 0253-7214		10	0.03	http://jazindia.com/index.php/jaz/article/view/2
	International (Dr. Varsha Singh)		08	09	3.255	https://www.sciencedirect.com/science/article/pii/S0016648013004607?via%3Dihub
	International (Dr. Varsha Singh)		03		3.255	https://www.sciencedirect.com/science/article/pii/S0016648017300606
	International (Dr. Varsha Singh)		01		2.74	https://www.sciencedirect.com/science/article/abs/pii/S0093691X21000893

	International (Dr. Varsha Singh)		01		3.255	https://www.sciencedirect.com/science/article/pii/S0016648021001994
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Monographs, Books, Chapters in National/International books with ISBN number:

S.N.	Level/type (national/international)	Monographs, Books, Chapters in books Published with ISBN	Citations	h-index *	Impact factor range/Average Impact factor*	Web-Link
1	National	Translation- Practical Book IGNOU: Understanding Proteins Final-Prof. BSR edited Ver (1). BBCCL 106: Proteins (Practical Manual) ISSN No. 978-93-91229-59-7				
2	International	Nanocosmeceuticals: Novel and Advanced Self-care Materials ,Handbook of Consumer Nanoproducts,978-981-15-6453-6				
3	International	Plant –Based Consumer Health Gold Nanoproducts: Benign Nanoformulations for Wound Healing and Treatment of Infections,,Handbook of Consumer Nanoproducts,978-981-15-6453-6				
4	International	Starch –Based Bio-Nanocomposites: Modern and Benign Materials in Food Packaging Industry, Handbook of Consumer Nanoproducts,978-981-15-6453-6				

5	International	Multifaceted Metal-Organic Frameworks: An Emerging Platform for Biocatalytic Reactions, Metal –Organic Frameworks(MOFs)as Catalysts,978-981-16-7958-2				
6	National	Shanuja Beri (2022) Gene And Genomic Organisation-I in Book -Gene Organisation, Replication and Repair IGNOU ISBN:978-93-5568-268-0		3		

Papers in National/International Conference Proceedings per Teacher during the year:

S.N .	Level/type (national/ international)	Publications details ISBN number/place/ publisher's name (in APA format)	Citations	h-index*	Impact factor range/Average Impact factor*	Web-Link
1.	International	Savita, S., Tarkeshwar and Kapinder, (2021). Biopesticides: Effective strategy for the management of <i>Plutella xylostella</i> (Lepidoptera: Putellidae). In: <i>PENWI21</i> -Present status and future trends in entomological and wildlife studies (Proceedings of International Conference) Pp: 73-81. ISBN: 978-81-7906- 000-0				

Details of teachers invited as resource persons for Refresher courses, Orientation courses, Seminars, Workshops, Conferences at state, national and international levels:

Name of Faculty	Resource Person for (Refresher courses, Orientation courses, Seminars, Workshops, Conferences)	Levels (National/ International/ State/University/College)
Shanuja Beri	Convenor & Organizing INDO-JAPAN SAKURA SCIENCE CAFÉ 23.8.2022-27.8.2022	International

Details of teachers attended Refresher/Orientation/short term courses:

Name of Faculty	Name of course and organizing body	Duration From -To
Dr. P.P. Saini	Refresher Course in "LIFE SCIENCES" Organized by Teaching Learning Centre, Ramanujan College, University of Delhi in collaboration with Miranda House, University of Delhi under the aegis of Ministry of Education Pandit Madan Mohan Malviya National Mission On Teachers And Teaching	1 –15 September, 2021
Dr. Kanchan Batra	Refresher Course (Environment and Human Health), Ramanujan College, University of Delhi	28/03/22 – 11/04/22
Dr. Shanuja Beri	One Week Online Faculty Development Program on Environmental Audit. PMMMNMTT & Kirori Mal College	28 JUN 2021-02 JUL 2021
	Scope & Application of Fermentation Technology in Food, Biochemical & Allied Industries. Five Weeks Virtual Internship Course. Dept Of Food Technology, Haldia Institute of Technology.	17 JUL 2021-15 AUG 2021
Dr. Mayanglambam Rojina Devi	Refresher Course on "Managing Online Classes and Co-creating MOOCS 7.0" Ramanujan College, University of Delhi	05/08/21 – 19/08/21

Details of teachers presented paper in Seminars, Workshops, Conferences at national and international levels:

Name of Faculty	Presented in (Seminars, Workshops, Conferences)	Levels (International /National/State/ University/College /local)
Dr Manisha Arora Pandit	"Agricultural Microbiology as a Sustainable Management Strategy in Apple Orchards" Oral presentation in "6 th Annual International Conference of Indian Network for Soil Contamination Research (INSCR) on "MICROBES IN SUSTAINABLE DEVELOPMENT". Organised by Department of Zoology (DU), Acharya Narendra Dev College (DU), Deen Dayal Upadhyaya College (DU), Gargi College (DU), Kirori Mal College (DU), PG Department of Zoology (MU), Maitreyi College (DU), Ramjas College (DU), Sri Venkateswara College (DU), C.M.P. College (AU), SGTB Khalsa College (DU), COCAS (PU) & PhiXgen Pvt. Ltd., Gurugram held on 15-18 th November 2021, Online mode	International
Dr Manisha Arora Pandit	"Impact of air pollution on the spread and severity of covid- 19" Oral presentation in "International Conference on Climate Change- An Imminent Global Emergency-2021". Organised by Department of Environmental Studies, Zakir	International

	Husain Delhi College, University of Delhi held on 16-18 th December 2021, Online mode	
Dr. K Vandana Rani	Presented a paper entitled as “Impact of COVID- 19 Second Wave on Biodiversity of Delhi” in 3 day International web Conference “COVID-19 Second Wave: Challenges for Sustainable Development (CCSD 2021) Jointly organized by:Asian Biological Research Foundation (ABRF),Prayagraj (U.P.), India Samrat Prithviraj Chauhan Government College, Ajmer (Rajasthan)Govt. KRG Post Graduate (Autonomous) College,Gwalior (M.P.) Government Degree College Doda(J. & K.) Digambarrao Bindu ACS College, Bhokar, Nanded (M.S.) Darsh College of Education, Gohana, Sonapat (Haryana) Glocal Environment & Social Association (GESA), New Delhi on13-15 th September 2021.	International

Details of teachers attended Seminars, Workshops, Conferences at national and international levels:

Name of Faculty	Attended in (Seminars, Workshops, Conferences)	Levels (International /National/State/ University /College /local)
Dr. P.P. Saini	Participated in webinar on “ <i>Sustainable energy</i> ” on organized by Zoology Department, Kalindi College University of Delhi and MGICCC, Govt of NCT, Delhi, India on 26 th February, 2022.	Webinar
Dr Manisha Arora Pandit	6 th Annual International Conference of Indian Network for Soil Contamina8on Research (INSRC) on “MICROBES IN SUSTAINABLE DEVELOPMENT. 15-18 th November 2021, Online mode	International
	International Conference on Climate Change- An Imminent Global Emergency-2021. Held on 16-18 th December 2021, Online mode	International
Dr. Shanuja Beri	Participated webinar on Sustainable Energy organized by Kalindi College, University of Delhi and MGICCC, Govt of NCT, Delhi on 26th February, 2022	National
	Participated in "Recent Approaches for Sustainable Development” (Hybrid Mode) organized jointly by Kalindi College & MGICCC, Govt. of Delhi India on” 11th -12th April, 2022	National
	Attended 3 day International web Conference “COVID-19 Second Wave: Challenges for Sustainable Development (CCSD 2021) Jointly organized by:Asian Biological Research Foundation (ABRF),Prayagraj (U.P.), India SamratPrithviraj Chauhan Government College, Ajmer (Rajasthan) Govt. KRG Post Graduate (Autonomous) College, Gwalior (M.P.) Government Degree College Doda (J. & K.) Digambarrao Bindu ACS College, Bhokar, Nanded(M.S.) Darsh College of Education, Gohana, Sonapat (Haryana) Glocal Environment & Social Association (GESA), New Delhi on13-15 th September 2021.	International

Dr. K. Vandana Rani	Participated in National e- Seminar „Nourish to Flourish” jointly organized by Department of FoodScience, Mehr Chand DAV college for women, Chandigarhand Phoenix Science Club VP-PY001 puducherry on 6 th September 2021.	National
	Participated webinar on Sustainable energy in Sustainable energy organized by Kalindi College, University of Delhi and MGICCC, Govt of NCT, Delhi on 26th February, 2022.	National
	Participated in “Teacher”s e-Kit: A Four Quadrant Approach for Development of OERs for Higher Education” organized by Guru Angad Dev Teaching Learning Centre, SGTB Khalsa College, University of Delhi under the Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching PMMMNMTT) of Ministry of Education on 09th September 2021.	National
	Participated in Online International Conference Science and Society organized by Miranda House on 23-25 February 2022	International
	Participated in "Recent Approaches for Sustainable Development”(Hybrid Mode) organized jointly by Kalindi College & MGICCC, Govt. of Delhi India on ” 11 th -12 th April, 2022	National
Dr. Mayanglambam Rojina Devi	1. Participated in Webinar on “ <i>How to avoid Predatory Publishing? What Researchers can do</i> ” organised by Research Committee under the aegis of IQAC, Kalindi College, University of Delhi at Delhi, India on 24 th July, 2021	University
	2. Participated in hands-on training session on “ E-content development using basic tools ” organised by E- Content Development Committee, Kalindi College, University of Delhi on 27th September, 2021	University
	3. Participated in 2 nd International Colloquium RMBPD on the topic “Deciphering Bioregulatory Mechanism in Health and Disease using ‘Omics’ Approach” organized by Department of Zoology, University of Delhi on 24-25 th February, 2022	International
	4. Participated in webinar on “Unsung Heroes of Indian Freedom Movement in North East India: A perspective on Assam and Nagaland” organized by Northeast Students’ Cell in collaboration with Centre for Northeast Studies New Delhi under the aegis of IQAC Kalindi College on 28 th September 2021	University

Contribution of the department in the Corporate Life of the College (Only Convener/Coordinator/Adviser for the current year):

S.N.	Name of the Faculty	Contribution
1	Dr. P. P. Saini	1. Convener, Feedback Committee of Equal Opportunity Cell 2. Co-convener, Equal Opportunity Cell

2	Dr Manisha Arora Pandit	1. Convener, English Debating Society, Mantrana
3	Dr. Tarkeshwar	1. Co-coordinator, IQAC 2. Liaison Officer, SC/ST Cell 3. Co-convener, Anti-Tobacco Cell
4	Dr Kanchan Batra	1. Teacher-In-charge (Zoology Department) 2. Medical Facility 3. Health care And Fitness (Convener) 4. Sanitization Committee (Convener) 5. Admission 2021-2022 (Convener)
5	Dr. Shanuja Beri	1. Convener Criteria VII NAAC 2. Convener Write-off Committee 3. Convener Admission Committee 2021
6	Dr. Varsha Singh	1. IQAC Co-coordinator 2. Convener Research Committee
7	Dr. K. Vandana Rani	1. Nodal officer (Foreign Student) 2. Convener: B.A Prog Admission 2021-22 3. Convener: ECA media Club 4. Coordinator and Convener: National Conference "RASD 2022" 5. Convener: Webinar "Sustainable energy"

Participation of teachers in various academic activities as members of committees at University level, State level, National level, International level bodies:

Name of Faculty	Nature of Participation (Activity)	Levels (International /National/State/ University/College)
	Setting of Question paper of Non-Chordates- I Protista to Pseudocoelomates, B.Sc. (H) Zoology Sem- I, LOCF	University
	Setting of Question paper of Comparative Anatomy of Vertebrates (UPC-32231401_OC), B.Sc. (H) Zoology Sem- IV, LOCF	University
	Setting of Question paper of Non-Chordates- II Coelomates, B.Sc. (H) Zoology Sem- I, LOCF	University

Dr. P. P. Saini	Member, Physical verification committee for botany, zoology and Chemistry	College
	Co-convener, Equal Opportunity Cell	College
	Evaluation of Physiology and Biochemistry, Animal Diversity, Non-Chordates I: Protists to Pseudocoelomates	University
Dr. Tarkeshwar	Syllabus Drafting Committee: UGCF 2022, B.Sc. (P) Life Science, Discipline Specific Core Courses Semester VI (DSC- LS) Paper- Genetics and Evolutionary Biology (DSC-LS)	University
	Syllabus Drafting Committee: UGCF 2022, B.Sc. (H) Zoology, Semester Discipline Specific Elective Courses Animal Behaviour (DSE-1)	University
Dr. Shanuja Beri	Member Garden Committee	University of Delhi
	Member Indian Academy of Neurosciences	National
	Member Biotech Research Society of India	National
	Reviewer Tropical Ecology	International
	Advisor Interview Panel, UPSC	UPSC, National
	Convener & member: Syllabus Preparation (NEP) paper Bioinstrumentation and Bioenergetics and Enzymology respectively; 2022-2023	University of Delhi
Dr. Varsha Singh	Member Courses Committee	University of Delhi
	Member IUCN South Asia CEM	International
	Reviewer Aquaculture and Fisheries	International
	Reviewer Tropical Ecology	International
Dr. K Vandana Rani	Convener & member: Syllabus Preparation (NEP) paper Aquatic Biology and Immunology respectively; 2022-2023	University Level
	Question Setting 2021-22 (Confidential)	University Level
	As Convener organized National Conference "Recent Approaches for Sustainable Development" (Hybrid Mode) organized jointly by Kalindi College & MGICCC, Govt. of Delhi India on 11 th -12 th April, 2022.	National
	As Convener organized webinar on Sustainable energy organized by Kalindi College, University of Delhi and MGICCC, Govt of NCT, Delhi on 26th February, 2022.	National
	Participated in „Manav Faculty Level Survey on scientific reading practices, capabilities and challenges of undergraduate and postgraduate students“ conducted by Project Manav IISER Pune on 16th Dec 2021 - 31st Jan 2022	National
	As organizing committee member organized webinar on Tools and Techniques for avoiding Plagiarism in E-content Development organized by E-Content	College

	development Committee, Kalindi College, University of Delhi on 9 th November, 2021	
	As ECA media Convener Organized the Advertisement film making workshop organized by Kalindi College in collaboration with Gravity Realm Entertainment on 27 th October 2021	College
	As ECA media Convener Organized an interactive Session-cum Photography competition on 2 nd February 2022	College

Details of Seminars/ Conferences/Workshops organized by Zoology Department at University, State, National and International level and the source of funding with details:

Name of Conference/ Seminars / Workshops	Funding agency and funds received		No. of Participants		University/State/ National/ International	Dates
	Internal	External	Internal	External		
"Two Day's Orientation cum Workshop on “हमारे समृद्ध वैदिक गणित की झलक”, on the occasion of आजादी का अमृत महोत्सव	Kalindi College		166	73	National	10-11, February, 2022
National Webinar on “FIGHT AGAINST TOBACCO”	Kalindi College		65	04	National	16 th October 2021
Skill Workshop on the topic "The Art of facing an Interview”	3000/-		107	04	University	25-01-2022
Webinar on “Intellectual Property Rights in Academics”	3000/-		101	36	National	30-09-2021
Webinar on "How to avoid Predatory publishing? What researchers can do".	3000/-		95	21	National	24-07-2021
“Virtual Jungle Safari Dudhwa Tiger Reserves”	Kalindi College		97		College	12-02-2022
Campus Bird Count	Kalindi College		29		College	19-02-2022
Webinar on “Sustainable Energy”			89	37	University	26-02-2022
Conference on “Recent Approaches for Sustainable Development” (Hybrid Mode)		MGICCC, Govt. of NCT provided Honorarium to speakers	120	20	National	11 th to 12 th April 2022