



### List of Programme(s)

**Department: Zoology**

#### **List of Programmes having Components of field**

Sr. No.	Programme Code	Programme Name	Academic Year
01.	310	M.Sc.	2021-22

*A. V. K. Bhaskar*

PROFESSOR  
HEAD  
Department of Zoology  
Guru Ghasidas Vishwavidyalaya, Bilaspur  
Guru Ghasidas Vishwavidyalaya, Bilaspur



## Minutes of Meetings (MoM) of Board of Studies (BoS)

**School** : *School of Studies of Life Sciences*

**Department** : *Zoology*

**Date and Time** : *Dec 24, 2021 - 11:30 AM*

**Venue** : *Meeting room, Department of Zoology*

The scheduled meeting of member of Board of Studies (BoS) of Department of Zoology, School of Studies of Life Sciences, Guru Ghasidas Vishwavidyalaya, Bilaspur was held to design and discuss the M. Sc. Zoology (I to IV semesters) scheme and syllabi.

The following members were present in the meeting:

1. Prof. SK Prasad (External Expert Member BoS, Dept. of Biosciences., Pandit Ravishankar Shukla University)
2. Prof. LVKS Bhaskar (HOD, Prof., Dept. of Zoology.-cum Chairman, BOS)
4. Dr. Rohit Seth (Member BoS, Associate Professor, Dept. of Zoology)
5. Dr. Sushant Kumar Verma (Member, Assistant Professor, Dept. of Zoology)

Following points were discussed during the meeting

1. Papers of semester I to IV were thoroughly discussed and less than 20% modifications was approved by the BOS members in eight papers (04 core papers, 04 discipline specific Electives).
2. More than 20% modifications was suggested by the BOS members in seven core papers.
3. One new elective (Epidemiology and Molecular Genetics) was introduced in Discipline Specific Electives (DSE) in semester III and IV.
4. The project work will be carried out by M.Sc. IV semester students in the field of respective elective papers opted by the students. Each student may study any one out of the given electives (DSE: A/B/C/D).

The following new courses were introduced in M. Sc. Program for semesters III and IV:

**Sr. No. Course Code Name of the Course**

01. LZT 303 F Basic Epidemiology (newly introduced)
02. LZT 304 F Clinical Epidemiology (newly introduced)
03. LZT 403 F Molecular Markers and Genome Analysis (newly introduced)
04. LZT 404 F Prenatal Diagnosis and Pre-implantation Genetics (newly introduced)

**Project/Dissertation**

The project work will be carried out in the field of respective elective papers opted by the students (DSE: A/B/C/D).

संस्थान  
HEAD  
संयुक्त विभागाध्यक्ष  
Department of Zoology  
गुरु घासीदास विश्वविद्यालय  
Guru Ghasidas Vishwavidyalaya, Bilaspur

Signature & Seal of HoD



## Scheme

### Semester-wise Theory Papers/ Practical Masters of Science in Zoology (CBCS) Department of Zoology, School of Life Science

Course Opted	Course Code	Name of the Course	T & R /Week	Credits	CCA	EOE	Total
<b>Semester - I<sup>st</sup></b>							
CC 1	ZOPATT1	Comparative Anatomy of Vertebrates	T-3	3	30	70	100
CC 1	ZOPALT1	Comparative Anatomy of Vertebrates	L-4	2	15	35	50
CC 2	ZOPATT2	Cell Biology	T-3	3	30	70	100
CC 2	ZOPALT2	Cell Biology	L-4	2	15	35	50
CC 3	ZOPATT3	Endocrinology	T-3	3	30	70	100
CC 3	ZOPALT3	Endocrinology	L-4	2	15	35	50
OE 1	ZOPATO1	To be drawn from the pool of OE	T-3	3	30	70	100
OE 1	ZOPALO1	To be drawn from the pool of OE	L-4	2	15	35	50
	*Certificate	UACE, VAC, CC, OCC and others offered by university					
			<b>28H/W</b>	<b>20</b>	<b>180</b>	<b>420</b>	<b>600</b>
<b>Semester II<sup>nd</sup></b>							
CC 4	ZOPBTT1	Biochemistry and Molecular Biology	T-3	3	30	70	100
CC 4	ZOPBLT1	Biochemistry and Molecular Biology	L-4	2	15	35	50
CC 5	ZOPBTT2	Basic Mammalian Physiology	T-3	3	30	70	100
CC 5	ZOPBLT2	Basic Mammalian Physiology	L-4	2	15	35	50
CC 6	ZOPBTT3	Animal behavior	T-3	3	30	70	100
CC 6	ZOPBLT3	Animal behavior	L-4	2	15	35	50
DSE: 1	ZOPBD1	Molecular Genetics	T-3	3	30	70	100
DSE: 1	ZOPBLD1	Molecular Genetics	L-4	2	15	35	50
RM	ZOPBTA1	Research Methodology	T-2	2	30	70	100
	*Certificate	UACE, VAC, CC, OCC and others offered by university					
			<b>30H/W</b>	<b>22</b>	<b>210</b>	<b>490</b>	<b>700</b>
<b>Semester III<sup>rd</sup></b>							
CC 7	ZOPCTT1	Developmental Biology	T-3	3	30	70	100
CC 7	ZOPCLT1	Developmental Biology	L-4	2	15	35	50
CC 8	ZOPCTT2	Regulatory Mammalian Physiology	T-3	3	30	70	100
CC 8	ZOPCLT2	Regulatory Mammalian Physiology	L-4	2	15	35	50
CC 9	ZOPCTT3	Evolution, Environmental Biology and Sustainable Development	T-3	3	30	70	100
CC 9	ZOPCLT3	Evolution, Environmental Biology and Sustainable Development	L-4	2	15	35	50
DSE: 2	ZOPCTD1	Brain function and Mental Awareness	T-3	3	30	70	100
DSE: 2	ZOPCLD1	Brain function and Mental Awareness	L-4	2	15	35	50
	*Certificate	UACE, VAC, CC, OCC and others offered by university					
			<b>28H/W</b>	<b>20</b>	<b>180</b>	<b>420</b>	<b>600</b>
<b>Semester IV<sup>th</sup></b>							
CC 10	ZOPDTT1	Biotechniques	T-3	3	30	70	100

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CC 10	ZOPDLT1	Biotechniques	L-4	2	15	35	50
DSE: A	ZOPBTD1	Biochemistry of Intermediary Metabolism and Enzymology	T-3	3	30	70	100
DSE: A	ZOPBLD1	Biochemistry of Intermediary Metabolism and Enzymology	L-4	2	15	35	50
DSE: A	ZOPBTD2	Molecular Biology of Information Pathway: Nucleic Acids	T-3	3	30	70	100
DSE: A	ZOPBLD2	Molecular Biology of Information Pathway: Nucleic Acids	L-4	2	15	35	50
DSE: B	ZOPBTD3	Neuroendocrinology, Non-Classical Hormones and Signaling	T-3	3	30	70	100
DSE: B	ZOPBLD3	Neuroendocrinology, Non-Classical Hormones and Signaling	L-4	2	15	35	50
DSE: B	ZOPBTD4	Mammalian Reproduction, Fertility and Sterility	T-3	3	30	70	100
DSE: B	ZOPBLD4	Mammalian Reproduction, Fertility and Sterility	L-4	2	15	35	50
DSE: C	ZOPBTD5	Fish Anatomy, Physiology and Biotechnology	T-3	3	30	70	100
DSE: C	ZOPBLD5	Fish Anatomy, Physiology and Biotechnology	L-4	2	15	35	50
DSE: C	ZOPBTD6	Fish Culture, Capture Fishery and Fish Pathology	T-3	3	30	70	100
DSE: C	ZOPBLD6	Fish Culture, Capture Fishery and Fish Pathology	L-4	2	15	35	50
DSE: D	ZOPBTD7	Mechanism of Toxicity	T-3	3	30	70	100
DSE: D	ZOPBLD7	Mechanism of Toxicity	L-4	2	15	35	50
DSE: D	ZOPBTD8	Reactive Metabolites and Defense System in Biology	T-3	3	30	70	100
DSE: D	ZOPBLD8	Reactive Metabolites and Defense System in Biology	L-4	2	15	35	50
Dissertation	ZOPDD01	Based on DSE Elective (III/IV)	D-14	7	60	140	200
	*Certificate	UACE, VAC, CC, OCC and others offered by university					
			35H/W	22	195	455	650

1. Discipline Specific Electives (DSE) in fourth semester for each session will be offered to students on the basis of availability of faculty and infrastructure.
2. Offering of DSE in any particular session will be decided after a formal meeting of all faculty members of Department of Zoology.
3. Each student may study any one out of the given electives (A, B, C and D). Elective papers will be distributed among the students on the basis of merit/choice.
4. The project work/dissertation will be carried out in the field of respective elective papers opted by the students.
5. Open Elective Courses will be offered by department in first semester is fundamental of public health / Applied Zoology.

**Abbreviations:**

CC= Core Course	OE= Open Elective
DSE= Discipline Specific Electives	DSE: I= Biochemistry and Molecular Biology
DSE: II = Mammalian Reproductive Physiology and Endocrinology	
DSE: III = Fish Biology	DSE: IV= Toxicology
CCA=Continuous Comprehensive Assessment	ESE=End-Semester Examinations
UACE= University Additional Credit Electives,	VAC= Value Added Course
CC= Certificate Courses,	OCC= Online certificate Courses

  
Prof. LVKS Bhaskar  
(HOD)

Prof. S K Prasad  
(External Expert)

  
Dr. Rohit Seth  
(Member)

  
Dr. S K Verma  
(Member)



**Students Undertaking Field Projects / Research Projects / Internships**

**Department : Zoology**

**Programme Name : PG**

**Academic Year : 2021-22**

**List of students undertaking Field Projects/Projects / Internships**

Sr. No.	Name of the Student	Title of the Project / Internship along with the Name of the Organization (where Project / Internship was carried out)	Link of Certificate
1.	Adarsha Mondal	Study of toxic effect of mercuric chloride (HgCl <sub>2</sub> ) on behaviour, histology, and biochemical parameters in danio rerio”	<a href="https://www.ggu.ac.in/Admin/Files/DepartmentDocument/10022022115845_Mr.%20Adarsha%20Mondal-M.Sc%20IV%20sem-Dissertation%20certificate-2021-22.pdf">https://www.ggu.ac.in/Admin/Files/DepartmentDocument/10022022115845_Mr.%20Adarsha%20Mondal-M.Sc%20IV%20sem-Dissertation%20certificate-2021-22.pdf</a>
2.	Addhya Aishwarya Dash	Effect of BDNF Val66Met Genetic Polymorphism on Lithium Prophylactic response in Bipolar disorder- A Meta-analysis study	<a href="https://www.ggu.ac.in/Admin/Files/DepartmentDocument/10022022120033_Ms.%20Addhya%20Aishwarya%20Dash-M.Sc%20IV%20sem-Dissertation%20certificate-2021-22.pdf">https://www.ggu.ac.in/Admin/Files/DepartmentDocument/10022022120033_Ms.%20Addhya%20Aishwarya%20Dash-M.Sc%20IV%20sem-Dissertation%20certificate-2021-22.pdf</a>
3.	Akansha Ekka	Herbicide induced haematological and biochemical changes in fishes	<a href="https://www.ggu.ac.in/Admin/Files/DepartmentDocument/09302022031613_Ms.%20Akansha%20Ekka-M.Sc%20IV%20sem-Dissertation%20certificate-2021-22.pdf">https://www.ggu.ac.in/Admin/Files/DepartmentDocument/09302022031613_Ms.%20Akansha%20Ekka-M.Sc%20IV%20sem-Dissertation%20certificate-2021-22.pdf</a>





4.	Akash Sahu	Therapeutic potential of <i>Putringiva roxburghii</i> Wall. against carbon tetrachloride induced hepatic injury in rats	<a href="https://www.ggu.ac.in/Admin/Files/DepartmentDocument/09262022041400_Mr.%20Akash%20Sahu-M.Sc%20IV%20sem-Dissertation%20certificate-2021-22.pdf">https://www.ggu.ac.in/Admin/Files/DepartmentDocument/09262022041400_Mr.%20Akash%20Sahu-M.Sc%20IV%20sem-Dissertation%20certificate-2021-22.pdf</a>
5.	Amita Bhoi	Therapeutic potential of naringenin against acrylamide induced kidney damage in rats	<a href="https://www.ggu.ac.in/Admin/Files/DepartmentDocument/09262022041823_Ms.%20Amita%20Bhoi-M.Sc%20IV%20sem-Dissertation%20certificate-2021-22.pdf">https://www.ggu.ac.in/Admin/Files/DepartmentDocument/09262022041823_Ms.%20Amita%20Bhoi-M.Sc%20IV%20sem-Dissertation%20certificate-2021-22.pdf</a>
6.	Anil Kamati	Therapeutic Effect of <i>Putranjiva roxburghii</i> Wall. against carbon tetrachloride induced splenic injury in rats	<a href="https://www.ggu.ac.in/Admin/Files/DepartmentDocument/09262022041619_Mr.%20Anil%20Kamati-M.Sc%20IV%20sem-Dissertation%20certificate-2021-22.pdf">https://www.ggu.ac.in/Admin/Files/DepartmentDocument/09262022041619_Mr.%20Anil%20Kamati-M.Sc%20IV%20sem-Dissertation%20certificate-2021-22.pdf</a>
7.	Anjali Mishra	Effect of Type 2 Diabetes on Rat Kidney	<a href="https://www.ggu.ac.in/Admin/Files/DepartmentDocument/09302022034042_Ms.%20Anjali%20Mishra--M.Sc%20IV%20sem-">https://www.ggu.ac.in/Admin/Files/DepartmentDocument/09302022034042_Ms.%20Anjali%20Mishra--M.Sc%20IV%20sem-</a>



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8.	Anupa Sahu	Vitamin D deficiency in sickle cell anemia patients	<a href="https://www.ggu.ac.in/Admin/Files/DepartmentDocument/09262022034842%20Ms.%20Anupa%20Sahu-M.Sc%20IV%20sem-Dissertation%20certificate-2021-22.pdf">https://www.ggu.ac.in/Admin/Files/DepartmentDocument/09262022034842 Ms.%20Anupa%20Sahu-M.Sc%20IV%20sem-Dissertation%20certificate-2021-22.pdf</a>
9.	Archana Patel	Association between reduced folate carrier 1 (RFC1) A80G polymorphism with the risk of non-syndromic cleft lip with or without palate	<a href="https://www.ggu.ac.in/Admin/Files/DepartmentDocument/09262022040842 Ms.%20Archana%20Patel-M.Sc%20IV%20sem-Dissertation%20certificate-2021-22.pdf">https://www.ggu.ac.in/Admin/Files/DepartmentDocument/09262022040842 Ms.%20Archana%20Patel-M.Sc%20IV%20sem-Dissertation%20certificate-2021-22.pdf</a>
10.	Babul Meher	Association between COMT Val158 Met polymorphism and development of preeclampsia: A meta-analysis of case control studies	<a href="https://www.ggu.ac.in/Admin/Files/DepartmentDocument/09262022034114 Mr.%20Babul%20Meher-M.Sc%20IV%20sem-Dissertation%20certificate-2021-22.pdf">https://www.ggu.ac.in/Admin/Files/DepartmentDocument/09262022034114 Mr.%20Babul%20Meher-M.Sc%20IV%20sem-Dissertation%20certificate-2021-22.pdf</a>
11.	Bijaya Meher	Role Of Traditional Ayurvedic Medicinal Plants In Regulation Of Diabetes	<a href="https://www.ggu.ac.in/Admin/Files/DepartmentDocument/10022022102555 Ms.%20Bijaya%20Meher-M.Sc%20IV%20sem">https://www.ggu.ac.in/Admin/Files/DepartmentDocument/10022022102555 Ms.%20Bijaya%20Meher-M.Sc%20IV%20sem</a>



			<a href="#">Dissertation%20certificate-2021-22.pdf</a>
12.	Chitrarekha Patel	Study of toxic effect of Aluminum Chloride [AlCl <sub>3</sub> ] on behaviour, histology and biochemical parameters in zebra fish (Danio rerio)	<a href="https://www.ggu.ac.in/Admin/Files/DepartmentDocument/10022022121031%20Ms.%20Chitrarekha%20Patel-M.Sc%20IV%20sem-Dissertation%20certificate-2021-22.pdf">https://www.ggu.ac.in/Admin/Files/DepartmentDocument/10022022121031 Ms.%20Chitrarekha%20Patel-M.Sc%20IV%20sem-Dissertation%20certificate-2021-22.pdf</a>
13.	Damini Jyoti Kaibarta	Zebra fish as a model organism in the research	<a href="https://www.ggu.ac.in/Admin/Files/DepartmentDocument/09302022034755%20Ms.%20Damini%20Jyoti%20Kaibarta-M.Sc%20IV%20sem-Dissertation%20certificate-2021-22.pdf">https://www.ggu.ac.in/Admin/Files/DepartmentDocument/09302022034755 Ms.%20Damini%20Jyoti%20Kaibarta-M.Sc%20IV%20sem-Dissertation%20certificate-2021-22.pdf</a>
14.	Deeplata Barman	No association between COMT Val 158 Met polymorphism and alcoholism	<a href="https://www.ggu.ac.in/Admin/Files/DepartmentDocument/09262022041015%20Ms.%20Deeplata%20Barman-M.Sc%20IV%20sem-Dissertation%20certificate-2021-22.pdf">https://www.ggu.ac.in/Admin/Files/DepartmentDocument/09262022041015 Ms.%20Deeplata%20Barman-M.Sc%20IV%20sem-Dissertation%20certificate-2021-22.pdf</a>
15.	Devanwasha Pradhan	Sustainable Aquaculture: Aquaponics	<a href="https://www.ggu.ac.in/Admin/Files/DepartmentDocument/09302022035057%20Ms.%20Devanwasha%20Pradhan-">https://www.ggu.ac.in/Admin/Files/DepartmentDocument/09302022035057 Ms.%20Devanwasha%20Pradhan-</a>





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16.	Dipali Thakur	Thyroxine And Autoimmune Diseases	<a href="https://www.ggu.ac.in/Admin/Files/DepartmentDocument/10022022101852_Ms.%20Dipali%20Thakur-M.Sc%20IV%20sem-Dissertation%20certificate-2021-22.pdf">https://www.ggu.ac.in/Admin/Files/DepartmentDocument/10022022101852_Ms.%20Dipali%20Thakur-M.Sc%20IV%20sem-Dissertation%20certificate-2021-22.pdf</a>
17.	Dutika Sahu	Angiotensin Receptor and Preeclampsia During Pregnancy	<a href="https://www.ggu.ac.in/Admin/Files/DepartmentDocument/10022022102142_Ms.%20Dutika%20Sahu-M.Sc%20IV%20sem-Dissertation%20certificate-2021-22.pdf">https://www.ggu.ac.in/Admin/Files/DepartmentDocument/10022022102142_Ms.%20Dutika%20Sahu-M.Sc%20IV%20sem-Dissertation%20certificate-2021-22.pdf</a>
18.	Ipsita Mahapatra	Impact of Climate change on Aquaculture	<a href="https://www.ggu.ac.in/Admin/Files/DepartmentDocument/09302022035211_Ms.%20Ipsita%20Mahapatra-M.Sc%20IV%20sem-Dissertation%20certificate-2021-22.pdf">https://www.ggu.ac.in/Admin/Files/DepartmentDocument/09302022035211_Ms.%20Ipsita%20Mahapatra-M.Sc%20IV%20sem-Dissertation%20certificate-2021-22.pdf</a>
19.	Ipsita Patel	Study of toxic effect of Lead acetate [Pb(C <sub>2</sub> H <sub>3</sub> O <sub>2</sub> ) <sub>2</sub> ] on behaviour, histology and biochemical parameters in zebra fish (Danio rerio)	<a href="https://www.ggu.ac.in/Admin/Files/DepartmentDocument/10022022121740_Ms.%20Ipsi">https://www.ggu.ac.in/Admin/Files/DepartmentDocument/10022022121740_Ms.%20Ipsi</a>



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20.	Khushboo Choudhary	A review on genotoxicity induced by herbicides in fishes	<a href="https://www.ggu.ac.in/Admin/Files/DepartmentDocument/09292022031258 Ms.%20Khushboo%20Choudhary-M.Sc%20IV%20sem-Dissertation%20certificate-2021-22.pdf">https://www.ggu.ac.in/Admin/Files/DepartmentDocument/09292022031258 Ms.%20Khushboo%20Choudhary-M.Sc%20IV%20sem-Dissertation%20certificate-2021-22.pdf</a>
21.	Lisha Sahu	Effect of Heavy metals on fishes: Sources, Bio-accumulation and Toxicity.	<a href="https://www.ggu.ac.in/Admin/Files/DepartmentDocument/09302022040018 Ms.%20Lisha%20Sahu-M.Sc%20IV%20sem-Dissertation%20certificate-2021-22.pdf">https://www.ggu.ac.in/Admin/Files/DepartmentDocument/09302022040018 Ms.%20Lisha%20Sahu-M.Sc%20IV%20sem-Dissertation%20certificate-2021-22.pdf</a>
22.	Madhukar Kharia	Fish diversity distribution and conservation status in Indian context.	<a href="https://www.ggu.ac.in/Admin/Files/DepartmentDocument/10022022115130 Mr.%20Madhukar%20Kharia-M.Sc%20IV%20sem-Dissertation%20certificate-2021-22.pdf">https://www.ggu.ac.in/Admin/Files/DepartmentDocument/10022022115130 Mr.%20Madhukar%20Kharia-M.Sc%20IV%20sem-Dissertation%20certificate-2021-22.pdf</a>
23.	Mahima Jaiswal	A review on herbicides induced	<a href="https://www.ggu.ac.in/Admin/Files/DepartmentDocument/10022022115130 Mr.%20Madhukar%20Kharia-M.Sc%20IV%20sem-Dissertation%20certificate-2021-22.pdf">https://www.ggu.ac.in/Admin/Files/DepartmentDocument/10022022115130 Mr.%20Madhukar%20Kharia-M.Sc%20IV%20sem-Dissertation%20certificate-2021-22.pdf</a>



		reproductive and behavioural changes in fishes	<a href="https://www.ggu.ac.in/Admin/Files/DepartmentDocument/09302022031857%20Mahima%20Jaiswal-M.Sc%20IV%20sem-Dissertation%20certificate-2021-22.pdf">c.in/Admin/Files/DepartmentDocument/09302022031857 Ms.%20Mahima%20Jaiswal-M.Sc%20IV%20sem-Dissertation%20certificate-2021-22.pdf</a>
24.	Manish Kumar Sahu	Toxicological impact of some pesticides on fish.	<a href="https://www.ggu.ac.in/Admin/Files/DepartmentDocument/10022022115302%20Manish%20Kumar%20Sahu-M.Sc%20IV%20sem-Dissertation%20certificate-2021-22.pdf">https://www.ggu.ac.in/Admin/Files/DepartmentDocument/10022022115302 Manish%20Kumar%20Sahu-M.Sc%20IV%20sem-Dissertation%20certificate-2021-22.pdf</a>
25.	Mansee Patel	Therapeutic effect of Resveratrol in the Kidney of Rats with Acute Liver Failure	<a href="https://www.ggu.ac.in/Admin/Files/DepartmentDocument/09302022032500%20Mansee%20Patel-M.Sc%20IV%20sem-Dissertation%20certificate-2021-22.pdf">https://www.ggu.ac.in/Admin/Files/DepartmentDocument/09302022032500 Ms.%20Mansee%20Patel-M.Sc%20IV%20sem-Dissertation%20certificate-2021-22.pdf</a>
26.	Megha Dahire	Therapeutic role of naringenin against acrylamide induced biochemical alterations in microsomal compartments of liver in rats	<a href="https://www.ggu.ac.in/Admin/Files/DepartmentDocument/09292022022944%20Megha%20Dahire-M.Sc%20IV%20sem-Dissertation%20certificate-2021-22.pdf">https://www.ggu.ac.in/Admin/Files/DepartmentDocument/09292022022944 Ms.%20Megha%20Dahire-M.Sc%20IV%20sem-Dissertation%20certificate-2021-22.pdf</a>



27.	Mojesh kumar Dewangan	Signaling Pathways involved in bipolar disorder and role of Olanzapine	<a href="https://www.ggu.ac.in/Admin/Files/DepartmentDocument/10022022120836_Mr.%20Mojesh%20kumar%20Dewangan-M.Sc%20IV%20sem-Dissertation%20certificate-2021-22.pdf">https://www.ggu.ac.in/Admin/Files/DepartmentDocument/10022022120836_Mr.%20Mojesh%20kumar%20Dewangan-M.Sc%20IV%20sem-Dissertation%20certificate-2021-22.pdf</a>
28.	Monisha Bhardwaj	Hepatoprotective potential of naringenin against acrylamide induced liver injury in rats	<a href="https://www.ggu.ac.in/Admin/Files/DepartmentDocument/09292022023447_Ms.%20Monisha%20Bhardwaj-M.Sc%20IV%20sem-Dissertation%20certificate-2021-22.pdf">https://www.ggu.ac.in/Admin/Files/DepartmentDocument/09292022023447_Ms.%20Monisha%20Bhardwaj-M.Sc%20IV%20sem-Dissertation%20certificate-2021-22.pdf</a>
29.	Nikshita Mahakud	"Herbal remedies for a fast-spreading endocrine disorder Polycystic ovary syndrome (PCOS)	<a href="https://www.ggu.ac.in/Admin/Files/DepartmentDocument/09292022030533_Nikshita%20Mahakud-M.Sc%20IV%20sem-Dissertation%20certificate-2021-22.pdf">https://www.ggu.ac.in/Admin/Files/DepartmentDocument/09292022030533_Nikshita%20Mahakud-M.Sc%20IV%20sem-Dissertation%20certificate-2021-22.pdf</a>
30.	Parag Banerjee	"Effect of COMT Val158Met Polymorphism in Bipolar Disorder: A meta-analysis study"	<a href="https://www.ggu.ac.in/Admin/Files/DepartmentDocument/10022022120230_Mr.%20Parag%20Banerjee-M.Sc%20IV%20sem-Dissertation%20certificate-2021-22.pdf">https://www.ggu.ac.in/Admin/Files/DepartmentDocument/10022022120230_Mr.%20Parag%20Banerjee-M.Sc%20IV%20sem-Dissertation%20certificate-2021-22.pdf</a>



31.	Pooja Kurmi	Analysis of matrillin 1 (MANT1) gene polymorphisms in mandibular prognathism	<a href="https://www.ggu.ac.in/Admin/Files/DepartmentDocument/09262022035210%20Ms.%20Pooja%20Kurmi-M.Sc%20IV%20sem-Dissertation%20certificate-2021-22.pdf">https://www.ggu.ac.in/Admin/Files/DepartmentDocument/09262022035210 Ms.%20Pooja%20Kurmi-M.Sc%20IV%20sem-Dissertation%20certificate-2021-22.pdf</a>
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