

19. Period of teaching experience:

5 years and 5 months

20. Research experience excluding period spent in obtaining the M.Phil./Ph.D. degree:

More than 5 years

21. Fields of specialisation under the subject/discipline:

Immunology; Cancer Biology; Tuberculosis, Stroke Biology

22. Academic Staff College Orientation/Refresher Courses attended:

Name of the Course	Place	Duration	Sponsoring Agency	Ref Pg No.
Orientation Course CVIX-Orientation Programme	UGC Academic Staff College, Aligarh Muslim university, Aligarh UP.	Four weeks 01/02/2011 to 01/03/2011	University Grants Commission, New Delhi	11
Research Methodology Refresher Course (ID)	UGC Academic Staff College, University of Kashmir	Three Weeks 16/01/2012 to 08/02/2012	University Grants Commission, New Delhi	12

B (I) (2012)

CATEGORY I: (TEACHING, LEARNING AND EVALUATION RELATED ACTIVITIES)

I(i) Lectures, Seminars, Tutorials, Practicals, Contact Hours (Semester-wise)- 2012

Sr. No.	Course/Paper	Level	Mode of teaching*	No. of classes (hours) Per week allotted	No. of classes conducted (per semester/year)	% of classes taken as per documented record	Pge No.
M. Sc Bioresources							
01.	Biodiversity and Bioresources (Biores-101)	M. Sc 1 st Sem	Lecture	1.5 hrs	30	100	13
02.	Lab course of Animal Resources (L-103)	M.Sc 1st Sem	Practical	3hrs	14	100	13
03.	Animal Bioresources (Biores-103)	M. Sc 1 st Sem	Lecture	1.5 hrs	30	100	13
04.	Lab course of Microbial Resources (L-104)	M. Sc 1 st Sem	Practical	3 hrs	14	100	13
05.	Animal Resources and Microbial Resources (L-103)	M. Sc 1 st Sem	Tutorial	3hrs	14	100	13

	& L-104)						
06.	Animal Bioresources (Biores-103)	M. Sc 1 st Sem	Lecture	1.5 hrs	30	100	13
07.	Microbial Resources (Biores-104)	M. Sc 1 st Sem	Lecture	1.5 hrs	30	100	13
08.	Animal Cell and Tissue Technology (Biores-114)	M. Sc 4 th Sem	Lecture	1.5 hrs	30	100	15
09.	Lab course of Animal Cell and Tissue Technology (L-114)	M. Sc 4 th Sem	Practical	3 hrs	14	100	15
10.	Tutorial of Animal Cell and Tissue Technology (L-114)	M. Sc 4 th Sem	Tutorial	3hrs	14	100	15
11.	Microbial Technology (Biores-115)	M. Sc 4 th Sem	Lecture	1.5 hrs	30	100	15
12.	Lab course of Microbial Technology (L-115)	M. Sc 4 th Sem	Practical	3 hrs	14	100	15
13.	Tutorial of Microbial Technology (L-115)	M. Sc 4 th Sem	Tutorial	3 hrs	14	100	15
Average work load per week in hours				33 hrs	278		

Sr. No.	Course/Paper	API Score	Refer Page No.
(a)	Classes Taken (max. 50 for 100% performance & Proportionate score upto 80% performance, below which no score shall be given)	50	13, 14 and 15
(b)	Teaching Load in excess of UGC norm (max. score:10)	NA	

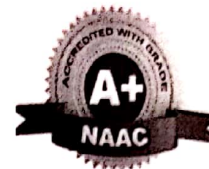
I(ii) Reading/Instructional material consulted & additional knowledge provided to students

Sr. No.	Course/Paper	Consulted	Prescribed	Additional Resource
1.	Biodiversity and Bioresources	Title: An Advanced Textbook on Biodiversity Author: Krishnamurthy	Title: An Advanced Textbook on Biodiversity Author: Krishnamurthy	
2.	Biodiversity and Bioresources	Title: Conservation and Biodiversity Author: A.P. Dobson	Title: Conservation and Biodiversity Author: A.P. Dobson	



(Coordinator)

DEPARTMENT OF BIORESOURCES
School of Biological Sciences
UNIVERSITY OF KASHMIR, SRINAGAR
NAAC Accredited Grade A⁺ University

**To Whom It May Concern**

This is to certify that Dr. Manzoor A Mir, Senior Assistant Professor, Department of Bioresources has delivered lectures/Practical/Virtual Lab/Tutorials as per the below details from 30-04-2019 to 03-01-2022 to the students of M. Sc Bioresources of Semester-I, Semester-II, Semester-III and Semester-IV pertaining to courses mentioned below:

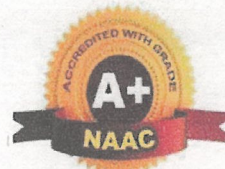
From	To	Type of teaching	Classes Assigned	Classes taken	Course / Semester
30-04-2019	29-04-2020	Lectures	64	64	Animal Resources, Basic and Applied Immunology, Human Health and Plant Diet, Industrial Entomology/Semester-I
30-04-2019	29-04-2020	Lectures	64	64	Animal Resource Regeneration, Inheritance Biology, Infectious Diseases and Human Health/Semester-II
30-04-2019	29-04-2020	Lectures	64	64	Cellular and Molecular Immunology, Biostatistics and Biotechniques, Infectious Diseases and Live Stock Health/Semester-III
30-04-2019	29-04-2020	Lectures	64	64	Animal Cell and Tissue Technology, Microbial Technology, Bioindustries/Sem-IV
30-04-2019	29-04-2020	Lab	16	16	Lab Course-I/Semester-I
30-04-2019	29-04-2020	Lab	16	16	Lab Course-II/Semester-II
30-04-2019	29-04-2020	Lab	16	16	Lab Course-III/Semester-III
30-04-2019	29-04-2020	Lab	16	16	Lab Course-IV/Semester -IV
30-04-2019	29-04-2020	Tutorials	8	8	Animal Resources, Basic and Applied Immunology, Human Health and Plant Diet, Industrial Entomology/Semester-I
30-04-2019	29-04-2020	Tutorials	8	8	Animal Resource Regeneration, Inheritance Biology, Infectious Diseases and Human Health/Semester-II
30-04-2019	29-04-2020	Tutorials	8	8	Cellular and Molecular Immunology, Biostatistics and Biotechniques, Infectious Diseases and Live Stock Health/Semester-III
30-04-2020	29-04-2021	Lectures	64	64	Animal Resources, Basic and Applied Immunology, Industrial Entomology/Semester-I
30-04-2020	29-04-2021	Lectures	64	64	Animal Resource Regeneration, Inheritance Biology, Infectious Diseases and Human Health/Semester-II
30-04-2020	29-04-2021	Lectures	64	64	Cellular and Molecular Immunology, Biostatistics and Biotechniques, Infectious Diseases and Live Stock Health/Semester-III
30-04-2020	29-04-2021	Lectures	64	64	Animal Cell and Tissue Technology, Microbial Technology, Hormones and Human Health, Bioindustries/Semester-IV
30-04-2020	29-04-2021	Lab	16	16	Lab Course-I/Semester-I
30-04-2020	29-04-2021	Lab	16	16	Lab Course-II/Semester-II
30-04-2020	29-04-2021	Lab	16	16	Lab Course-III/Semester-III
30-04-2020	29-04-2021	Lab	16	16	Lab Course-IV/Semester-IV
30-04-2020	29-04-2021	Tutorials	8	8	Animal Resources, Basic and Applied Immunology, Industrial Entomology/Semester-I
30-04-2020	29-04-2021	Tutorials	8	8	Animal Resource Regeneration, Inheritance Biology, Infectious Diseases and Human Health/Semester-II
30-04-2020	29-04-2021	Tutorials	8	8	Cellular and Molecular Immunology, Biostatistics and Biotechniques, Infectious Diseases and Live Stock Health/Semester-III
30-04-2020	29-04-2021	Tutorials	8	8	Animal Cell and Tissue Technology, Microbial Technology, Bioindustries/Sem-IV
30-04-2021	29-04-2022	Lectures	64	64	Animal Resources, Basic and Applied Immunology, Industrial Entomology/Sem-I
30-04-2021	29-04-2022	Lectures	64	64	Animal Resource Regeneration, Inheritance Biology, Infectious Diseases and Human Health/Semester-II
30-04-2021	29-04-2022	Lectures	72	72	Cellular and Molecular Immunology, Biostatistics and Biotechniques, Infectious Diseases and Live Stock Health, Hormones and Human Health/Semester-III
30-04-2021	29-04-2022	Lectures	72	72	Animal Cell and Tissue Technology, Microbial Technology, Hormones and Human Health, Bioindustries/Semester-IV
30-04-2021	29-04-2022	Lab	16	16	Lab Course-I/Semester-I
30-04-2021	29-04-2022	Lab	16	16	Lab Course-II/Semester-I
30-04-2021	29-04-2022	Lab	16	16	Lab Course-III/Semester- III
30-04-2021	29-04-2022	Lab	16	16	Lab Course-IV/Semester-IV
30-04-2021	29-04-2022	Tutorials	8	8	Animal Resources, Basic and Applied Immunology, Industrial Entomology/Sem-I
30-04-2021	29-04-2022	Tutorials	8	8	Animal Resource Regeneration, Inheritance Biology, Infectious Diseases and Human Health/Semester-II
30-04-2021	29-04-2022	Tutorials	8	8	Cellular and Molecular Immunology, Biostatistics and Biotechniques, Infectious Diseases and Live Stock Health/Semester-III
30-04-2021	29-04-2022	Tutorials	8	8	Animal Cell and Tissue Technology, Microbial Technology, Bioindustries/Sem-IV

(Signature)
 Coordinator
 Department of Bioresources
 University of Kashmir Srinagar





(Coordinator)

DEPARTMENT OF BIORESOURCES**School of Biological Sciences****UNIVERSITY OF KASHMIR, SRINAGAR****NAAC Accredited Grade A⁺ University**

No. F(Exp-Dr Manzoor/Prom)BRES/KU/25

Dated: 01-07-2025

To Whom It May Concern

This is to certify that Dr, Manzoor A Mir, Associate Professor, Department of Bioresources has delivered lectures/Practical/Virtual Lab/Tutorials as per the below details from 01-05-2022 to 30-04-2025 to the students of M. Sc Bioresources of Semester-I, Semester-II, Semester-III and Semester-IV pertaining to courses mentioned below as per the time tables:

From	To	Type of teaching	Classes Assigned	Classes taken	Course / Semester
01-05-2022	15-07-2024	Lectures	64	64	Animal Resources, Basic and Applied Immunology and Drug Targeting Cellular and Molecular Biology, Industrial Entomology/Semester-I
01-05-2022	30-04-2025	Lectures	64	64	Animal Resource Regeneration, Inheritance Biology, Infectious Diseases and Human Health/Semester-II
01-05-2022	30-04-2025	Lectures	64	64	Cellular and Molecular Immunology, Biostatistics and Biotechniques, Infectious Diseases and Live Stock Health/Semester-III
01-05-2022	30-04-2025	Lectures	64	64	Animal Cell and Tissue Technology, Microbial Technology, Bioindustries/Sem-IV
01-05-2022	30-04-2025	Lab	16	16	Lab Course-I/Semester-I
		Lab	16	16	Lab Course-II/Semester-II
01-05-2022	30-04-2025	Lab	16	16	Lab Course-III/Semester-III
01-05-2022	30-04-2025	Lab	16	16	Lab Course-IV/Semester-IV
01-05-2022	30-04-2025	Tutorials	8	8	Animal Resources, Basic and Applied Immunology, Industrial Entomology/Semester-I
01-05-2022	30-04-2025	Tutorials	8	8	Animal Resource Regeneration, Inheritance Biology, Infectious Diseases and Human Health/Semester-II
01-05-2022	30-04-2025	Tutorials	8	8	Cellular and Molecular Immunology, Biostatistics and Biotechniques, Infectious Diseases and Live Stock Health/Semester-III
01-05-2022	15-07-2024	Lectures	64	64	Animal Resources, Basic and Applied Immunology, Industrial Entomology/Semester-I
01-05-2022	30-04-2025	Lectures	64	64	Animal Resource Regeneration, Inheritance Biology, Infectious Diseases and Human Health/Semester-II
01-05-2022	30-04-2025	Lectures	64	64	Cellular and Molecular Immunology, Biostatistics and Biotechniques, Infectious Diseases and Live Stock Health/Semester-III
01-05-2022	30-04-2025	Lectures	64	64	Animal Cell and Tissue Technology, Microbial Technology, Hormones and Human Health, Bioindustries/Semester-IV
01-05-2022	30-04-2025	Lab	16	16	Lab Course-I/Semester-I
		Lab	16	16	Lab Course-II/Semester-II
01-05-2022	30-04-2025	Lab	16	16	Lab Course-III/Semester-III
01-05-2022	30-04-2025	Lab	16	16	Lab Course-IV/Semester-IV
01-05-2022	30-04-2025	Tutorials	8	8	Animal Resources, Basic and Applied Immunology, Industrial Entomology/Semester-I
01-05-2022	30-04-2025	Tutorials	8	8	Animal Resource Regeneration, Inheritance Biology, Infectious Diseases and Human Health/Semester-II
01-05-2022	30-04-2025	Tutorials	8	8	Cellular and Molecular Immunology, Biostatistics and Biotechniques, Infectious Diseases and Live Stock Health/Semester-III
01-05-2022	15-07-2024	Tutorials	8	8	Animal Cell and Tissue Technology, Microbial Technology, Bioindustries/Sem-IV
01-05-2022	30-04-2025	Lectures	64	64	Animal Resources, Basic and Applied Immunology, Industrial Entomology/Sem-I
01-05-2022	30-04-2025	Lectures	64	64	Animal Resource Regeneration, Inheritance Biology, Infectious Diseases and Human Health/Semester-II
01-05-2022	30-04-2025	Lectures	72	72	Cellular and Molecular Immunology, Biostatistics and Biotechniques, Infectious Diseases and Live Stock Health, Hormones and Human Health/Semester-III
01-05-2022	30-04-2025	Lectures	72	72	Animal Cell and Tissue Technology, Microbial Technology, Hormones and Human Health, Bioindustries/Semester-IV
		Lab	16	16	Lab Course-I/Semester-I
01-05-2022	30-04-2025	Lab	16	16	Lab Course-II/Semester-I
01-05-2022	30-04-2025	Lab	16	16	Lab Course-III/Semester-III
01-05-2022	30-04-2025	Lab	16	16	Lab Course-IV/Semester-IV
01-05-2022	30-04-2025	Tutorials	8	8	Animal Resources, Basic and Applied Immunology, Industrial Entomology/Sem-I
01-05-2022	30-04-2025	Tutorials	8	8	Animal Resource Regeneration, Inheritance Biology, Infectious Diseases and Human Health/Semester-II
01-05-2022	30-04-2025	Tutorials	8	8	Cellular and Molecular Immunology, Biostatistics and Biotechniques, Infectious Diseases and Live Stock Health/Semester-III
01-05-2022	30-04-2025	Tutorials	8	8	Animal Cell and Tissue Technology, Microbial Technology, Bioindustries/Sem-IV
01-05-2022	30-04-2025	Project Work	32	32	Project work/Dissertation of six months for 4-6 students during assessment period

Head,

Department of Bioresources

HEAD
Deptt. of Bioresources
University of Kashmir