**Govt. Lohia P. G. College, Churu**

**Department of Zoology**

**General Profile**

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**Dr. Sant Lal Dr. K. C. Soni (Head of Dept) (Convener)**

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| **Name of Department** | Zoology |
| **Establishment year** | B.Sc. in 1955M.Sc. in 1982 |
| **Affiliation** | M.G.S. University, Bikaner |
| **Courses run** | * B.Sc. ( 3 Years Scheme)
* M.Sc. ( 2 Year with 4 semesters scheme)
* Ph.D. from 2002
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| **Examination Pattern** | Previously annual exam scheme was conducted but from session (2023-24) semester system introduced at UG and PG level as per the NEP. |
| **Seat Intake** | B.Sc. (Three section with 70 seats in each )M.Sc. ( 30 seats in Govt quota and 10 seats in SFS.)Ph.D. as per the allocation of MGS university, Bikaner after pre Ph.D. test. |
| **Number of application year wise** |
| Year | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 |
| No of applications | Govt.-218SFS-54 | Govt.-214SFS-62 | Govt.-338SFS-87 | Govt.715SFS-115 | Govt.-218SFS-54 | Govt.-486SFS-56 | Govt.-438SFS-74 |
| No of admission |  |  |  |  |  |  |  |
| Male candidates |  |  |  |  |  |  |  |
| Female candidates |  |  |  |  |  |  |  |
| **Faculty members** |
| **Name** | **Qualification** | **Specialization** | **Departmental joining** | **Teaching experience** |
| Santlal | M.Sc. | Entomology | 6/10/1995 | 29 years |
| Dr. K. C. Soni | M.Sc., M.Phil, Ph.D. | Entomology | 23/07/1996 | 28 Years |
| Madhu Chaudhary | M.Sc. M.Phil. Ph.D(Running) | Entomology | 14/12/1998 | 26 Years |
| Dr. B.L.Mehra | M.Sc., Ph.D | Endocrinology | 16/09/2002 | 21 Years |
| Shaantanu Dabi | M.Sc. Ph.D (Running) | Cell & Mol. Biol | 31/12/2011 | 12 Years |
| **Past Heads of the Department** |
| **Name** | **From** | **To** |
|  Shri Anil Bhargav |  14-08-1972 |  12-02-1983 |
|  Shri k. S. Chundawat |  13-02-1983 |  11-11-1983 |
|  Shri Anil Bhargav |  12-11-1983 |  16-07-1984 |
|  Dr. P. R. Ojha |  17-07-1984 |  15-09-1984 |
|  Shri Anil Bhargav |  16-09-1984 |  28-08-1987 |
|  Shri Bhagirth mal |  29-08-1987 |  15-09-1997 |
|  Shri Anil Bhargav |  16-09-1997 |  06-12-2003 |
|  Dr. A. N. Sharma |  17-12-2003 |  27-06-2007 |
|  Shri Sant Lal |  28-06-2007 |  05-06-2012 |
|  Dr. C. L. Verma |  06-06-2012 |  25-12-2014 |
|  Shri Sant Lal |  26-12-2014 |  Present |
| **Past faculty members of the Department** |
| **S. No** | **Name**  | **Present status** |
| 1 | Dr. Dharmendar Singh | Retired from Joint director, CCE, Jaipur |
| 2 | Dr. K L Bohra | Retired as principal from Govt. College, Sirohi |
| 3 | Dr. R.S. Chundawat | Retired as Principal from MLV College, Bhilwara |
| 4 | Sh. Bhagirath Mal Abusaria | Retired as Principal from Govt. College, Jhalawar |
| 5 | Sh Anil Bhargav | Retired as Principal from MS College, Bikaner |
| 6 | Dr. A N Sharma | Retired as Principal from Govt. College, Uniara |
| 7 | Dr. B R Dukia | Retired as Principal from BR Mirgha College, Nagaur |
| 8 | Dr. P R Ojha | Retired as Principal from Dungar College, Bikaner |
| 9 | Dr. O P Jangir | Retired as HOD from Dungar College, Bikaner |
| 10 | Dr. Meera Srivastav | Retired as Principal from Govt. College, lunkaransar |
| 11 | Dr. Dhirendra Devrishi | Retired as Principal from MSJ College, Bharatpur |
| 12 | Dr. Ranjana Dubey | Retired as HOD from MSJ College, Bharatpur |
| 13 | Dr Suresh Kumar | Retired as Principal from Govt. College, Karoli |
| 14 | Dr. Sashi Bala | Retired as Professor from RR College, Alwar |
| 15 | Dr. Bharti Prakash | Working as Prof in GCA, Ajmer |
| 16 | Dr. Pratap Kataria | Working as Prof in Dungar Colleg, Bikaner |
| 17 | Dr. Digvijay Singh Shekhawat | Working as Principal in Govt. College, Nokha |
| 18 | Dr. Akhileshwar Sharma | Retired as CEO from Bank of Baroda, Dubai |
| 19 | Dr. Pratibha Saxena | Retired as Principal from S K College, Sikar |
| 20 | Dr. C L Verma | Principal , Govt. Girls college, Churu |
| 21 | Dr. Keshar Dev | Principal, Govt. Girls College, Taranagar |
| 22 | Dr. Meenakshi Gehlot | Working as Prof in GCA, Ajmer |
| 23 | Dr, Manshi Gaur | Working as RAS |
| 24 | Dr. Sumit Dukia | Working as Prof in Indraprasth University, Delhi |
| 25 | Dr. Awdesh Sharma | Working as Asst. Professor in Govt. P.G. College, Neem ka Thana |
| **Lab Assistant** |
| 1 | Mohd.. Khalid  |  |
| **Research papers published(From 2016 to 2023)** |
| S. No | Author Name | Title of paper | Name of Journal(Year) |
| 1 | S.K. Sharma & K. C. SonI | Nesting ecology, interspecific interaction and nesting association of Indian Black Kite ( *MIlvus migrans*) inhabiting the arid zone of Rajasthan | ICJMMS (2016) |
| 2 | S.K. Sharma & K. C. Soni | Seasonal variation in the population of Black kite (*Milvus migrans*) inhabiting the arid zone of Rajasthan | JAB (2016) |
| 3 | C. L.Verma & V K Swami | Utilization of distillery industry waste water as liquid biofertilizer: seed bioassay test for feasibility and toxicity measurement. | TRJ (2016) |
| 4 | Keshar dev and P. Singh | Mammalian diversity of Shekhawati region in arid zone of Thar desert, India | IJFB (2016) |
| 5 | Keshardev *et al*. | Assessment of faunal diversity in Tal Chhapar wildlife sanctuary of Churu district in Rajasthan | IJCRT (2016) |
| 6 | Madan Meghwal and K C Soni | Roosting behaviour of Black winged kite (*Elanus caeruleus*) inhabiting the arid zone of Rajasthan | Annual research and review in biology (2017) |
| 7 | Madan Meghwal and K C Soni | Diet composition of Black winged kite (*Elanus caeruleus*)ninhabiting the arid zone of Rajasthan | Int. J. of current res. In life sc.( 2017) |
| 8 | S. K. Sharma and K C Soni | Nest composition of Indian Black Kite (*Milvus migrans*) inhabiting the arid zone of Rajasthan. | J. Exp. Zool. India (2017) |
| 9 | S. K. Sharma and K C Soni | Feeding behaviour of Indian Black Kite (*Milvus migrans*) inhabiting the arid zone of Rajasthan | IJZS (2017) |
| 10 | S. K. Sharma *et al* | Diet composition of Black Kite (*Milvus migrans*) inhabiting the arid zone of Rajasthan, India | IJZAB (2017) |
| 11 | R. Kumar and Keshar dev | Effects of chemical fertilizers on human health and environment: A review | IARJSET (2017) |
| 12 | Naveen Sharma and K C Soni | A study of reptilian diversity in Sariska wildlife sanctuary, Alwar(Rajasthan) | IJNER(2017) |
| 13 | C L Verma *et al.* | Induction of biochemical changes in mouse testis after the combined treatment of radiation and cadmium chloride | Int. J. Adv.res (2017) |
| 14 | C L Verma | Occurrence of insect pests on medicinal plants in arid parts of Rajasthan | Asian resonance (2018) |
| 15 | Madhu Sharma, *et al* | Effect of environmental factors on the temporal behaviour of the cattle egret ( Bubulcus ibis) around the Laxmangarh, Sikar, Rajasthan | IJRDO(2018) |
| 16 | Madhu Sharma, *et al* | Nestling behaviour of cattle egret (Bubulcus ibis) in rural and urban area of Shekhawati region. | IJCAR (2018) |
| 17 | Keshar dev and Veena Dhenwal | Drinking water is a challenge in Churu district of western rajasthan(India) | Shrinkhla (2018) |
| 18 | Madhu Chaudhary | Ecology and present taxonomic status of beetles in shekhawati region of Rajasthan | J. of Global research (2019) |
| 19 | B. L. Mehra | Fungicide as toxicants of biotic component of environmental (Special reference to mammals): An overview | Remarking an analisation (2019) |
| 20 | Keshar dev | Impacts of climate change on faunal diversity with special reference to mammalian fauna in Churu district of Rajasthan, India | IJRAR (2020) |
| 21 | Madan Meghwal et al. | A clutch size of Black-winged kite(Elanus caraerulleus) of the arid zone of Rajasthan. | SDES (2020) |
| 22 | Shaantanu Dabi | Air Quality effects Along with Potential Agricultural Solution to Amid COVID-19 | Current Journal of Applied Science &Technology(2021) |
| 23 | C L Verma | Quantitative analysis of spermatogonial cell population following radiation and cadmium chloride on Mouse testis. | Asian Resonance (2022) |
| 24 | C L Verma *et al.* | Temporal variation in physicochemical and phytoplankton analysis in a desert water body, Churu(Rajasthan) | IJCRT (2022) |
| 25 | Keshar Dev and Pratap Singh | Population dynamics and abundance of Indian peafowl(Pavo cristatus) in shekhawati region of NE Rajasthan, India. | IJRAR(2022) |
| 26 | Madhu Chaudhary | An Analysis of Covid-19 Impacts on Eduction in Rural India areas\_A Review | SSR Institute of International Journal of Life Sciences(2023) |
| 27 | Anand Prajapat *et al.* | Major insect pests of Mung bean and their control by synthetic insecticides. | Biological Forum (2023) |
| 28 | Madan Meghwal and K C Soni | Nesting sites and nesting tree selection behavior of Black winged kite (Elanus caereleus) inhabiting the arid zone of Rajasthan.  | In Advances in pharmacology and toxicology .(2023) |
| 29 | Sonu Khyalia and K C Soni | Breeding success of Black drongo (*Dicrurus macrocercus*) at Tal Chhapar black buck sanctuary, Churu (Rajasthan), India | Innovation: The research concept (2023) |
| 30 | & Bhamu.P |  |  |
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| **Chapters in Books** |
| **S. No** | **Name** | **Title of book** | **Title of paper** | **Year** | **Publisher** |
| **1** | **Keshar Dev** | **Env. Management: Challenges and conservation** | **Impact of pesticide on environment** | **2014** |  |
| **2** | **Keshar Dev** | **Environmental crisis and conservation** | **Condition and biodiversity of thar desert in Rajasthan: A review** | **2015** |  |
| **3** | **B L Mehra** | **Water Resource Management** | **Impact of melting glaciers in Himalayan region** | **2017** | **Mahip Book distributors**  |
| **4** | **B L Mehra** | **Environmental resources and national development** | **Solar energy: An eco-friendly mode of energy with special reference of Rajasthan** | **2018** | **ADR publication** |
| **5** | **Madhu Chaudhary** | **Challenge of Covid-19 : Human And Environment** | **taxyh tkuojksa dk euq";ksa }kjk ekuo cfLr;ksa esa vizkd `frd] vuSfrd] vukf/kd`r izos'k vkSj egkekfj;ka % ,d foospuk** | **2020** |  |
| **6** | **Shaantanu Dabi** | **Dabi.S & Bhamu .P (2022). Phytopharmaceuticals and Biotechnology of Herbal Plants (1st ed.). CRC Press. https://doi.org/10.1201/b22917** | **Indian spices : treasure of bioactive pharmaceutical compounds**<https://www.taylorfrancis.com/chapters/edit/10.1201/b22917-2/indian-spices-priyanka-bhamu-shaantanu-dabi> | **2022** | **CRC PressTaylor & Fransis group, UK** |
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| **Books written by faculty members** |
| **S. No** | **Name of author** | **Title of book** | **Publisher** |
| 1 | Dr. K.C.Soni | Cell Biology and Genetics | CBC, Jaipur |
| 2 | Dr. K. C. Soni | Developmental Biology | CBC, Jaipur |
| 3 | Dr. K C Soni | Biotechnology- Volume-I | CBC, Jaipur |
| 4 | Dr. K C Soni | Biotechnology- Volume-II | CBC, Jaipur |
| 5 | Dr. K C Soni | Biotechnology- Volume-III | CBC, Jaipur |
| 6 | Dr. K C Soni | Biotechnology- Volume-IV | CBC, Jaipur |
| 7 | Dr. K C Soni | Biotechnology- Volume-V | CBC, Jaipur |
| 8 | Dr. K C Soni | Microbiology and Biotechnology | CBC, Jaipur |
| 9 | Dr. K C Soni | Ecology and Environmental Biology | CBC, Jaipur |
| 10 | Dr. K C Soni | Animal Ecology and Biostatistics | CBC, Jaipur |
| 11 | Dr. K C Soni | Genetics and Biostatistics | CBC, Jaipur |
| 12 | Dr.. K C Soni | Animal physiology, Biochemistry and Immunology | CBC, Jaipur |
| 13 | Dr. K C Soni | Animal physiology and Immunology | CBC, Jaipur |
| 14 | Dr. K C Soni | Modern developmental Biology | CBC, Jaipur |
| 15 | Dr. K C Soni | Animal physiology and Biochemistry | CBC, Jaipur |
| 16 | Dr. K C Soni | Immunology,Microbiology and Biotechnology | CBC, Jaipur |
| 17 | Dr. K. C. Soni and G. Swarnakar | Modern Cell Biology | CBC, Jaipur |
| 18 | Dr. K. C. Soni and G. Swarnakar | Applied Zoology & Microbiology | CBC, Jaipur |
| 19 | Dr. Santlal  | Taxonomy and Invertebrate phylogeny | Parth publisher |
| 20 | Dr. Santlal | Biological chemistry and Immunology | Parth publisher |
| 21 | Dr. Santlal | Molecular biology and cytogenetics | Parth publisher |
| 22 | Dr. Santlal | Evolution | Parth publisher |
| 23 | Dr. Santlal  | Chordate | Parth publisher |
| 24 | Dr. Santlal | Animal Behaviour | Parth publisher |
| 25 | Dr. Santlal | Environmental Biology | Parth publisher |
| 26 | Dr. Santlal | Environmental Biology | Parth publisher |
| **Books edited by faculty members** |
| **S. No** | **Name of Faculty** | **Title** | **Publisher** |
| 1 | K S Vishwakarma and K C Soni | Environmental degradation and management (Volume-II) | Society of science and environment, Jalgaon |
| 2 | K S Vishwakarma and K C Soni | Environmental degradation and management (Volume-III) | Society of science and environment, Jalgaon |
| 3 | K K Sharma and Board | Animal Biotechnology | VMOU, Kota |
| **Conference attended and chaired by faculty members(From 2016 to 2023 )** |
| **S. No.** | **Name of Faculty** | **Theme of the conference** | **Year** |
| 1 | Dr. K C Soni | National seminar on overpopulation and its effects on environment held at Gramin Mahila P.G.College, Shivsinghpua, Sikar | 2016 |
| 2 | Dr. K C Soni | National conference on Biotechnology for sustainable Development held at M.D. College, Sriganganagar | 2016 |
| 3 | Dr. K C Soni | XXVI International Bioacoustics Congress held at Gurukul Kangri University, Haridwar | 2017 |
| 4 | Dr. K C Soni | National seminar on Challenges in higher education and action plan for solution, held at IASE, Sardarsahar | 2017 |
| 5 | Dr. C. L. Verma | National seminar on Human Rights: New Challenges held at Govt. Law College, Churu | 2017 |
| 6 | Dr. K C Soni | State level workshop on writeshop for Ph.D. guides held at MGS University, Bikaner | 2018 |
| 7 | Dr. C L Verma | National Conference on Higher education and sustainable development goals held at Govt. College, Kaladera | 2019 |
| 8 | Dr. K C Soni | Regional level orientation programme for newly selected Asst. Professors, held at Govt. Lohia P.G.College, Churu | 2019 |
| 9 | Madhu Chaudhery | International vonference on emerging challenges, their solution and recent advances in science held at SIKAR. | 2019 |
| 10 | Madhu Chaudhery | 1st ssha International conference organised at PDSU, Sikar | 2019 |
| 11 | Madhu Chaudhery | National conference on Humman right are women rights rights: women rights held at Govt. School, Jaipur | 2019 |
| 12 | Madhu Chaudhery | National conference on higher education and sustainable development goals | 2019 |
| 13 | Dr. K C Soni | National symposium on animal behaviour focal theme: Avian Ehtology, held at MDS University, Ajmer | 2020 |
| 14 | Madhu Chaudhery | National workshop on skill based attendance at Govt. Lohia P G Ceollege( 27 jan to 29 January 2023 | 2020 |
| 15 | Madhu Chaudhery | International E Conference on “ Impact of covid, economy and environment challenges, solution and possibilities. | 2020  |
| 16 | Madhu Chaudhery | National webinar on contribution of Non Muslim writers and poets in the development of urdu literature in Rajasthan | 2020 |
| 17 | Madhu Chaudhery | National webinar on international yoga day 2020 | 2020 |
| 18 | Madhu Chaudhery | Webinar on Impact assessment of COVID-19 on global tourism | 2020 |
| 19 | Madhu Chaudhery | National webinar on Aquatic entomofaunal diversity in India | 2020 |
| 20 | Dr. K C Soni | Orientation training workshop by vaigyanik drishtikon society held at Govt. Lohia P.G.College, Churu | 2021 |
| 21 | Madhu Chaudhery | Attended 2 outstanding programme on “ Biodiversity and its decline” held at R.R. Morarka Govt College, Dance | 2021 |
| 22 | Madhu Chaudhery | National online child care disaster risk reduction training programme | 2021 |
| 23 | Madhu Chaudhery | Basic disaster training course | 2021 |
| 24 | Dr. C.L. Verma | International conference on Radiation Biology, held at Dungar College, Bikaner | 2022 |
| 25 | Madhu Chaudhery | XIX annual conference of Rajasthan association for studies in English | 2022 |
| 26 | Madhu Chaudhery | National conference Swaraj-75 and our role | 2022 |
| 27 | Dr. K C Soni | National conference on Environment , pharmacology and biological sciences held at jalgaon | 2023 |
| 28 | Dr. K C Soni | International group of conferences “ARAVALLI” held at G B Podar College, Nawalgarh | 2023 |
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| **Faculty members in BOS/BOM/Academic council/ Governing bodies** |
| **S.No** | **Name of Faculty** | **Name of University** | **Year** |
| 1 | Dr. C L Verma | BOS in Microbiology | 2008 |
| 2 | Sh. Santlal | BOS in ZoologyBOS in Zoology | 2018 |
| 3 | Dr. K C Soni | BOS in BiotechnologyBOS in ZoologyBOS in Zoology | 201020142022 |
| 4 | Dr. B L Mehra | BOS in MicrobiologyBOS in defence scienceBOS in defence science | 201820212022 |
| **Membership of various societies/ foundation** |
| 1 | **Dr. C L Verma** | Member of Indian society of Radition Biology |
| 2 | **Dr. K C Soni** | Life member of Birds conservation society of Gujarat(BCSG)Life member of Ethological society of India(ESI)Life member of Ibisring foundation of BelgiumLife member of SIS group of IUCNLife member of Raptor research foundation (RRF)Life membership of ARRCN, MalaysiaLife membership og global raptor information network(GRIN)Life membership of INTACH. |
| 3 | **Dr. B.L. Mehra** | Life membership of Indian Science Congress. |
| **Editorial board of journals and Magazines** |
|  | **Dr K. C. Soni** | **Our Nature** published from Nepal**Current Biotica** **Life science leaflet** **Remarking an analisation** journal from social research foundation, Kanpur |
| **Awards and recognition of faculty members** |
| 1 | **Prof. Santlal** | * Awarded for outstanding contribution in international conference organised by department of English
* Awarded on teachers day by JJT University, Chudella (jhunjhunu)
 |
| 2 | **Dr. K C Soni** | * Awarded on teachers day by JJT University, Chudella (jhunjhunu)
* Awarded for outstanding contribution in international conference organised by department of English
* Awarded by Sahitya kala Sansthan, Jaipur for outstanding work in the field of education from Rajendra Singhji Rathore
* Life time achievement award for outstanding work in zoology teaching and research by society of science and environment, Jalgaon.
* Awarded by Sh jainarainji punia at MJD College, Taranagar
* Awarded by college, jaipur by Varun Gandhi
* Awarded by Maidh sabha of Ratangarh.
 |
| 3 | **Sh. Shhantanu Dabi** | * By district collector on national voter day at Lohia College, Churu
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| **Minor and major research projects** |
| 1 | Dr. C L Vemra | A study on the functional morphology of testis of Swiss Albino mice against combined treatment of Cadmium and Radiation  | 2000 |
| 2 | Dr. K C Soni | Effects on environmental stress on population dynamics, foraging, roosting and breeding activities of Black ibis(Pseudibis papillosa) inhabiting the arid zone of Rajasthan. | 2000 |
| 3 | Dr. K C Soni | Studies on breeding chronology and nestling development in the Black ibis(Pseudibis papillosa) inhabiting the arid zone of Rajasthan. | 2004 |
| 4 | Dr. Keshar Dev | The Ecology and breeding biology of Indian peafowl, Pavo cristatus in the arid zone of Shekhawati region | 2008 |
| 5 | Dr. K. C. Soni | Study on foraging, roosting and breeding activities of the Egyptian vulture (Neophron percnopterus) inhabiting the arid zone of Rajasthan. | 2009 |
| 6 | Dr. C L Verma | Survey and identification of insect pests occurring on natural growing medicinal plants in north western part of Rajasthan  | 2011 |
| 7 | Dr. B L Mehra | Evaluation of reproductive parameters in male wistar rats after exposure to copper oxychlorid | 2011 |
| 8 | Madhu Chaudhary | Ecology and taxonomic Status of beetles of order Coleoptera of Shekhawati region of Rajasthan.” | 2013 |
| **Video Lecture by faculty members on Youtube Channel** |
| **S. No** | **Name** | **Channel Link** | **Total no of videos** |
| 1 | **Prof Sant Lal** | <https://www.youtube.com/c/ZoologyClassesWithSantlal> | 149 |
| 2 | **Dr. C. L. Verma** | <https://www.youtube.com/channel/UC1eTYPAsHKWKS0JrccqifzQ> | 144 |
| 3 | **Dr. K. C.Soni** | <https://www.youtube.com/channel/UC2ySWZvQ1SXALA3dxmQJGRw> | 308 |
| 4 | **Ms Madhua Chaudhary** | <https://www.youtube.com/channel/UCHF-5qqNLp6-W_c2QGrfdgw> | 91 |
| 5 | **Dr. Keshar Dev** | [https://www.youtube.com/@keshardev5441](https://www.youtube.com/%40keshardev5441) | 42 |
| 6 | **DR. B. L. Mehra** | <https://www.youtube.com/results?search_query=dr+b+l+mehra> | 20 |
| 7 |  **Shhantanu Dabi** | [https://www.youtube.com/@SHAANTANU21](https://www.youtube.com/%40SHAANTANU21) | 64 |
|  | **TOTAL VIDEO LECTURE** | **818** |
| **Lecture delivered in E-Class of CCE(Jaipur)** |
|  | **Name** | **Date** | **Topic**  |
| 1 | Dr. K. C. Soni | 21/02/2019 | Fertilization  |
| 2 | Shanatanu Dabi | 19/09/2019 | Operon Concept |
| 3 | Dr. K. C. Soni | 04/10/2019 | Spermatogenesis |
| 4 | Shanatanu Dabi | 30/10/2019 | Chromatography |
| 5 | Shantanu Dabi | 14/11/2019 | Genetic Markers |
| 6 | Dr K C Soni | 26/11/2019 | Regeneration: An overview |
| 7 | Dr K C Soni | 03/12/2019 | HIV- An overview |
| 8 | Dr. K C Soni | 03/01/2020 | Hormone Action |
| **Faculty development programme by CCE** |
|  | **Dr. K C Soni** | Attended the Gyandoot programme organised by GCA, Ajmer from 9th June to 31st July 2021. |
|  | **Dr. K C Soni** | Deliver a talk in Gyanganga programme organised by MSJ College, Bharatpur (1st to 6th February, 2021) |
|  | **Dr. K C Soni** | Deliver a talk in Gyanganga programme organised by Government College, Kota( 18th to 23th Januay, 2021) |
|  | **Dr. K C Soni** | Deliver a talk in national webinar organised by LBS Govt. College, Kotputali on 29th July 2021 |
|  | **Dr. Keshar Dev** | Attended the Gyandoot programme organised by GCA, Ajmer from 9th June to 31st July 2021. |
|  | **Madhu Chaudhery** | Attended the Gyan Ganga programme from 25 to 31 january 2021 |
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| **Departmental Library** |
| **Departmental library was started with the inception of first batch of M.Sc.(Zoology). From time to time many books were purchased from the grant released by UGC as well as from state government. Presently library is very rich with Indian as well foreign writer books. At present 1193 books are maintained in library in 10 Almirah which were classified according to subject wise. On Almirah stickers were pasted with name of criteria. A complete list of all books is printed and keeps safe in a file. From time to time physical verification is done by a committee constituted by Principal. Separate issue registers are operated for faculty members as well as for students.** |
| **S.No** | **Subject criteria** | **No of Bools** |
|  | Anatomy | 10 |
|  | Biochemistry  | 49 |
|  | Biology | 16 |
|  | Biophysics and Biotechniques | 10 |
|  | Biostatistics | 21 |
|  | Biotechnology | 25 |
|  | Cell Biology | 45 |
|  | Chordate | 10 |
|  | Comparative anatomy | 4 |
|  | Cytogenetics | 5 |
|  | Cytology | 8 |
|  | Dictionaries | 14 |
|  | Ecology | 84 |
|  | Ethology and Bheaviour science | 62 |
|  | Embryology | 60 |
|  | Encyclopedia | 8 |
|  | Endocrinology | 7 |
|  | Entomology | 118 |
|  | Evolution | 51 |
|  | Fish Biology | 21 |
|  | General Zoology | 8 |
|  | Genetics | 58 |
|  | Histology | 13 |
|  | Immunology | 8 |
|  | Invertebrate | 102 |
|  | Microbiology | 22 |
|  | Molecular Biology | 44 |
|  | Morphology | 2 |
|  | Nanotechnology | 4 |
|  | NET/JRF/SLET/JAM guide | 4 |
|  | Ornithology | 11 |
|  | Parasitology | 3 |
|  | Physiology | 72 |
|  | Practical Book | 123 |
|  | Question Bank | 1 |
|  | Statistics | 10 |
|  | Taxonomy | 17 |
|  | Techniques | 10 |
|  | Vertebrate | 52 |
|  | Wildlife | 2 |
|  | Zoology General | 19 |
|  | **Grand Total** | **1193** |
| **Infrastructure** |
| **S. No** | **Name of Room** | **Room No** |
|  | U.G. Lab | 108 |
|  | Store and Lab Asst room | 109 |
|  | Departmental Library | 110 |
|  | Zoology Museum | 111 |
|  | Zoology staff Room | 112 |
|  | M.Sc.(Final) lab | 113 |
|  | Ph.D. Research lab | 116 |
|  | M.Sc.(Prev.) Lab | 117 |
|  | Instrument facility room | 118 |
| **Zoology Museum** |
| Zoology museum is the largest in Bikaner zone after Dungar College, Bikaner. The zoology museum is rich with two hundred specimens, dissected animal, various models of Dinosaurs, cell division stages, visceral anatomy models of Frog, earthworm, and cockroach. Osteology of frog, varanus, fowl, rabbit, dog, cow, horse, monkey, cat, crocodile, pangolin, Black ibis and rare fossils are kept in glass cabinet. The original human skeleton is the chief attraction of this centre. All glass cabinet boxes are lightened with LED bulb. Many students of colleges, schools regularly visited this campus to view this wonderful centre. |
| **Zoology Research Lab** |
| With the guidelines of UGC and CCE, Jaipur we developed a research lab in zoology with the financial support of Hirawat foundation (Chennai), Soni foundation(Calcutta), Prerana foundation(Calcutta), Harish Behalim (Bhaleri). This lab was Inaugurated by DR. O. P. Jangir (Research Director, IASE, Sardarsahar) on 14th September 2023. Dr. Jangir delivers his talk on the topic “How to write a good research paper”. This lab is equipped with computer, chromatography chamber, colorimeter, spectrophotometer, digital Hb meter, Microtomy instrument, insect cabinet box, hot plate, good digital camera, binocular etc. Presently six students were registered for Ph.D. under the supervision of Prof. K C Soni and Prof B L Mehra**.** |
| **Instrument Room** |
| Room NO 119 is allotted for instrument facility. This room is equipped with BOD incubator, Oven, Projection microscope, Colorimeter, Spectrophotometer, Hb meter, Turbidity meter, Interactive smart board, Visualizer, OHP, LCD projector and Computer, Chromatography chamber, Insect collection cabinet. M.Sc. students conduct their experiments in this room. |
| **Instrument facility** |
| **S. NO** | **Name of Instrument** | **Quantity** |
| 1 | Monocular Microscope | 30 |
| 2 | Gel electrophoresis set | 1 |
| 3 | Binocular Microscope | 5 |
| 4 | Medical Research Microscope | 3 |
| 5 | Reflecting Microscope | 1 |
| 6 | Pointer eye piece | 3 |
| 7 | Epidiascope | 1 |
| 8 | Projector Photophone | Two |
| 9 | Projector Screen | 2 |
| 10 | Hb Meter Systronix | 1 |
| 11 | Ph. Meter | 1 |
| 12 | Digital Glucometer | 1 |
| 13 | Booster amplifier | 1 |
| 14 | Speaker with cabinet | 1 |
| 15 | Sphygmomanometer | 1 |
| 16 | Oscilloscope | 1 |
| 17 | ECG Machine | 1 |
| 18 | Photoelectric Calorimeter | 1 |
| 19 | Chromatography set | 4 |
| 20 | Electrophoresis set | 1 |
| 21 | Centrifuge | 2 |
| 22 | Stereoscopic Microscope | 10 |
| 23 | Medical Research Microscope | 7 |
| 24 | Hot air oven | 1 |
| 25 | Soil Moisture Meter | 1 |
| 26 | Rotary Microtome | 3 |
| 27 | Hygrometer | 1 |
| 28 | Photoelectric calorimeter | 2 |
| 29 | Co2 Gas Cylinder | 1 |
| 30 | Digital Hb Meter | 2 |
| 31 | Microscope HAS | 40 |
| 32 | CVT | 1 |
| 33 | Tissue Homogeniser | 1 |
| 34 | Hot Plate | 3 |
| 35 | Trinocular Microscope | 1 |
| 36 | Digital Spectrophotometer | 1 |
| 37 | Digital Ph Meter | 1 |
| 38 | Automatic voltage stabilizer | 1 |
| 39 | Digital Nephlometer | 1 |
| 40 | Incubator Tempo | 1 |
| 41 | Computer printer wipro | 1 |
| 42 | HCL Pentium Computer | 1 |
| 43 | Automatic slide projector | 1 |
| 44 | Projection Microscope | 1 |
| 45 | Trinocular photographic microscope | 1 |
| 46 | Video movie camera SONY | 1 |
| 47 | BOD Incubator | 1 |
| 48 | Dissecting Microscope | 27 |
| 49 | DLP Data Projector | 1 |
| 50 | Refrigerator | 1 |
| 51 | TLC kit | 3 |
| 52 | NIKON FM 10 camera | 1 |
| 53 | Nikon F-80 camera | 1 |
| 54 | Zoom lense | 2 |
| 55 | Binocular | 1 |
| 56 | Computer Set (ACER) | 1 |
| 57 | Laser Printer | 1 |
| 58 | Photostate Machine | 1 |
| 59 | Interactive Pad | 1 |
| 60 | Interactive Board | 1 |
| 61 | Visual Presenter | 1 |
| 62 | Canon Digital Camera | 1 |
| 63 | Olympus Binocular | 1 |
| 64 | Thermohygrometer | 1 |
| 65 | Pathological Microscope | 77 |
| 66 | UV insect Trape | 1 |
| 67 | Canon SX110 camera | 1 |
| 68 | Rotary Microtome | 2 |
| 69 | Digital Paltop Ph Meter | 1 |
| 70 | Distillation apparatus | 1 |
| 71 | Chromatography cabinet | 2 |
| 72 | Hot air oven universal | 1 |
| 73 | Power supply of electrophoresis | 1 |
| 74 | High Speed Centrifuge | 1 |
| 75 | DLP Data Projector | 1 |
| 76 | Refrigerator | 1 |
| 77 | TLC kit | 3 |
| 78 | NIKON FM 10 camera | 1 |
| 79 | Nikon F-80 camera | 1 |
| 80 | Zoom lense | 2 |
| 81 | Binocular | 1 |
| 82 | Computer Set (ACER) | 1 |
| 83 | Laser Printer | 1 |
| 84 | Photostate Machine | 1 |
| 85 | Interactive Pad | 1 |
| 86 | Interactive Board | 1 |
| 87 | Visual Presenter | 1 |
| 88 | Canon Digital Camera | 1 |
| 89 | Olympus Binocular | 1 |
| 90 | Thermohygrometer | 1 |
| 91 | Pathological Microscope | 77 |
| 92 | UV insect Trape | 1 |
| 93 | Canon SX110 camera | 1 |
| 94 | Rotary Microtome | 2 |
| 95 | Digital Paltop Ph Meter | 1 |
| 96 | Distillation apparatus | 1 |
| 97 | Chromatography cabinet | 2 |
| 98 | Hot air oven universal | 1 |
| 99 | Power supply of electrophoresis | 1 |
| **Ph.D. awarded scholars** |
| **S.No** | **Name** | **Title of thesis** | **Year of award** |
| **1** | **Khemchand Soni** | Study on population foraging roosting and breeding activities of Black ibis(*Pseudibis papillosa*) Inhabiting the arid zone of Rajasthan. | **2008** |
| **2** | **Madhu Sharma** | Study on population foraging roosting and breeding activities of Cattle egret (*Bubulcus ibis* ) inhabiting the arid zone of Rajasthan. | **2015** |
| **3** | **Sandeep Sharma** | Study on population foraging roosting and breeding activities of Pariah kite (*Milvus migrans*) Inhabiting the arid zone of Rajasthan. | **2017** |
| **4** | **Madan meghwal** | Study on population foraging roosting and breeding activities of Black winged kite (*Elanus caeruleus*) Inhabiting the arid zone of Rajasthan. | **2018** |
| **Ph.D. pursuing scholars from the department** |
| **S.No** | **Name** | **Title of thesis** | **Year of award** |
| **1** | **Chainroop Soni** | **Study on population, foraging, roosting and breeding activities of Egyptian vulture(*Neophron percnopterus*) inhabiting the arid zone of Rajasthan.****Reg No S/2018/** | **Pursuing** |
| **2** | **Sonu Khyalia** | **Study on the population, foraging, roosting and breeding activities of the Black drongo (*Dicrurus macrocercus*) in and around tal Chhapar, Churu(Rajasthan)****Reg No-S/2018/50** | **Pursuing** |
| **3** | **Kalpana Poonia** | **A study on ethno-zological aspects of three districts (Churu, Jhunjhunu, Sikar) of Rajasthan.****Reg No-S/2018/78** | **Pursuing** |
| **4** | **Tejpal** |  | **Pursuing** |
| **5** | **Satpal** | **Faunal diversity of Lilkee beed of Churu, Rajasthan.****Reg No- S/2018/79** | **Pursuing** |
| **6** | **Parmendra Chauhan** | **Population dynamics of insect pests of *Vigna acontifolia* and its management strategies at Taranagar tehsil of Churu, Rajasthan****Reg No-S/2018/21** | **Pursuing** |
| **M.Sc. to Ph.D. up gradation to other colleges/Universities** |
| **S.No** | **Name** | **Year of M.Sc.** | **Ph.D. status** |
| **1** | C. L. Verma | 1989 | “Qualitative and Quantitative effects of the combined use of cadmium and radiation in mouse testis.” From MDS University of Ajmer in **2002.** |
| **2** | Surendra Kr Saini | 1999 | “Experimental studies on lens regeneration in *Oryctolagus cuniculus* under the influence of Vitamin A” from MGS University, Bikaner in **2007** |
| **3** | Suman Munaria | 2003 | **“**A study on chemoprotection of Liv.52 against cadmium and radiation induced changes in the intestine of Swiss 5.albino mice” from MGS University, Bikaner in **2007** |
| **4** | Ravi Sharma | 2000 | “Population dynamics and ecology of nonvolant small mammals in shekhawati region of thar desert” from MGS Uiversity, Bikaner in **2012** |
| **5** | Shikha Ojha | 2008 | Protective role of Aloe vera against radiation and cadmium induced changes in the kidney of swiss albino mice from MGS University in **2015.** |
| **6** | Pyare Lal | 2008 | “Role of Protection provided byEmblicaofficinalis Linn. against Radiation and Lead induced changes in the Jejunum of Swiss albino mice” from MGS University, Bikaner in **2016.** |
| **7** | Asha Verma | 2008 | “Toxicity study of a few pollutant on zooplankton and their impact assessment with special reference to textile based industries of Jodhpur” from JNV University Jodhpur in **2017** |
| **8** | Anand Prajapat | 2014 | “Study and possible control measures for insect pests of mung bean in Rajasthan” from JNV University, Jodhpur in **2022** |
| **9** | Hansraj Parihar | 2004 | Pursuing Ph.D on “ Diversity and ecology of lepidopteran insect fauna of Taranagar, Churu,Rajasthan” from MGS University, Bikaner. **(ONGOING)** |
| **10** | Prianka Sharma | 2019 | Pursuing on “ Study on the diversity of insect pollinators and their role in the pollination of medicinal plants in Jaipur, Rajasthan” from Univ. of Rajasthan , Jaipur. **(ONGOING)** |
| **11** | Punit Baser | 2019 | Pursuing on” Cardiopulmonary changes and hepatoxicity induced by nanoparticles and protective role of antioxidants in Rat model from BHU, Varanasi. **(ONGOING)** |
| **12** | Shikha Soni | 2017 | Pursuing “Study on ethnozoological aspects in Shekhawti region of Rajasthan” from M.D.S. University, Ajmer**(ONGOING)** |
| **13** | Sonal Sharma | 2019 | Pursuing Ph.D. on” Proteogenomics characterization of ethnic specific alternations in human cancers ” from **(ONGOING)** |
| **14** | Monika Saini | 2019 | **(ONGOING)** |
| **15** | Pooja Gurjar | 2017 | **(ONGOING)** |
| **M.Sc. topper students** |
| **S No** | **Year** | **Name** | **Percentage** | **Remarks** |
| **1** |  **1984** |  **Suman Sharma** |  56.00 |  |
| **2** |  **1985** |  **Vishnu Singh** |  64.50 |  |
| **3** |  **1986** |  **Sudheera fogat** |  65.00 |  |
| **4** |  **1987** |  **Surendra Singh Bhal** |  62.00 |  |
| **5** |  **1988** |  **Sant Lal** |  68.33 |  |
| **6** |  **1989** |  **Champalal Verma** |  63.33 | Gold medalist |
| **7** |  **1990** |  **Sangeeta Barthwal** |  64.00 |  |
| **8** |  **1991** |  **Mahesh Kumar saini** |  57.58 |  |
| **9** |  **1992** |  **Rajesh Chaudhri** |  57.83 |  |
| **10** |  **1993** |  **Anjali Bhargava** |  66.91 | Gold medalist |
| **11** |  **1994** |  **Hemangani Khushwaha** |  62.66 |  |
| **12** |  **1995** |  **Suman Chaudhari** |  68.50 |  |
| **13** |  **1996** |  **Naveen Kumar, Girija Dayama** |  60.16 |  |
| **14** |  **1997** |  **Usha Swami** |  65.83 |  |
| **15** |  **1998** |  **Bedharak Kumar** |  68.08 |  |
| **16** |  **1999** |  **Dinesh Kumar** |  66.00 |  |
| **17** |  **2000** |  **Madhu Sudan Vyas** |  67.20 |  |
| **18** |  **2001** |  **Ranjana jangir** |  66.50 |  |
| **19** |  **2002** |  **Nirmala Kumari Bissu** |  64.00 |  |
| **20** |  **2003** |  **Kavita Saini** |  71.08 |  |
| **21** |  **2004** |  **Sandeep Kumar Sharma** |  71.58 |  |
| **22** |  **2005** |  **Suman Choudhary** |  71.58 |  |
| **23** |  **2006** |  **Ritu Sharma** |  70.91 |  |
| **24** |  **2007** |  **Pyarelal Saini** |  68.33 |  |
| **25** |  **2008** |  **Asha Kumari Verma** |  67.83 |  |
| **26** |  **2009**  |  **Mahendra Kumar Verma** |  73.41 |  |
| **27** |  **2010** |  **Sushma Kumari** |  72.33 |  |
| **28** |  **2011** |  **Birma Kanwar** |  69.50 |  |
| **29** |  **2012** |  **Suman Choudhary** |  72.33 |  |
| **30** |  **2013** |  **Pramendra Singh Chauhan** |  68.33 |  |
| **31** |  **2014** |  **Chanda Valmiki** |  72.41 |  |
| **32** |  **2015** |  **Neelam Sharma** |  78.08 |  |
| **33** |  **2016** |  **Monika Saini** |  75.75 |  |
| **34** |  **2017** |  **Sulekha Sharma** |  77.16 |  |
| **35** |  **2018** |  **Basanti Swami** |  74.83 |  |
| **36** |  **2019** |  **Sunita Jangir** |  87.66 |  |
| **37** |  **2020** |  **Usha Barath** |  85.44 |  |
| **38** |  **2021** |  **Raksha Verma** |  83.55 |  |
| **39** |  **2022** |  **Gunjan Kanwar** |  82.66 |  |
| **40** |  **2023** |  **Nikita Bagla** |  85.89 |  |
| **UGC/NET/JRF/GATE/ SET passed students**  |
| **S. No** | **Name of students** | **Year** | **Exam cleared** |
|  |  |  |  |
|  | **Neelam Sharma** | **2012** | SET |
|  | **Anand Kr Prajapat** | **2014** | NET |
|  | **Anand Kr Prajapaat** | **2015** | NET |
|  | **Anand Kr Prajapat** | **2015** | GATE |
|  | **Satpal** | **2016** | NET and JRF |
|  | **Sharwan Kumar Harijan** | **2016** | NET and JRF |
|  | **Mamta Kumari** | **2016** | NET and JRF |
|  | **Monika Saini** | **2017** | NET |
|  | **Mamta Kumari** | **2018** | NET |
|  | **Anand Kr Parjapat** | **2018** | NET and JRF |
|  | **Pritika Jangir** | **2018** | NET |
|  | **Anand Kr Prajapat** | **2019** | NET and JRF |
|  | **Neelesh Kr Mehra** | **2019** | NET |
|  | **Neelesh Kr Mehra** | **2019** | NER and JRF |
|  | **Punnet Baser** | **2019** | NET and JRF |
|  | **Sonal Sharma** | **2019** | NET |
|  | **Shikha Soni** | **2019** | NET and JRF |
|  | **Pritika Jangir** | **2019** | GATE |
|  | **Monika Saini** | **2020** | NET and JRF |
|  | **Seema Sarswat** | **2020** | NET and JRF |
|  | **Pratika Sharma** | **2020** | NET |
|  | **Priyanka Sharma** | **2020** | NET and JRF |
|  | **Pritika Jangir** | **2020** | NET and JRF |
|  | **Pooja Kumari** | **2021** | NET |
|  | **Pratika Sharma** | **2021** | BET  |
|  | **Pooja Kumari** | **2021** | NET and JRF |
|  | **Aditi Mishra** | **2022** | GATE |
|  | **Sonal Sharma** | **2022** | NET and JRF |
|  | **Seema Sarswat** | **2023** | SET |
|  | **Pratika Sharma** | **2023** | SET |
|  | **Amit Sewda** | **2023** | SET |
|  | **Monika Parihar** | **2023** | NET and JRF |
|  |  |  |  |
| **Zoology Alumni from 1982 to 2024** |
| **From the inception of M.Sc. in zoology 41 batches passed out from this department under the mentorship of Sh. Anil Bhargav, Dr. A.N. Sharma, Sh. B. M. Abusaria, Dr. B. R. Dukia, Dr. Meera Srivastava, Dr. P. R. Ojha, Dr. O. P. Jangir, Dr. Dhirendra devrishi. As per data more than 800 students passed M.Sc. in zoology subject with specialization in Entomology. Among these students majority are from Churu district, than from Sikar, Jhunjhunu, Nagour. Some students from Haryana also enrolled. A complete list of all alumni can be seen in alumni file of the zoology department.** |
| **Distinguished Alumni members** |
| **S.No** | **Name** |  |
|  | **Vishnu Singh Chouhan** | **Chief wildlife warden, Uttar Pradesh** |
|  | **Sh. Sant Lal** | **Head of Department, Govt. Lohia P.G.College (Churu}** |
|  | **Dr C. L. Verma** | **Principal , Govt.SGD Girls College (Churu)** |
|  | **Dr. K. C. Soni** | **Professor, Govt. Lohia P. G. College(Churu}** |
|  | **Sh. Mahesh Kr Swami** | **Assoc Professor, RN Ruia Govt. College :Ramgarh Shekhawati (Sikar}** |
|  | **Ms. Madhu Chaudhary** | **Assoc. Professor, Govt. Lohia P.G.College (Churu)** |
|  | **Sh. Hanshraj Parihar** | **Associate Professor, MJD College, Taranagar(Churu)** |
|  | **Dr. Madhusudan Vyash** | **Professor, Newzeland** |
|  | **Ms. Sita Soni** | **Asst. Professor, Govt. Sujla College, Sujangarh(Churu)** |
|  | **Ms. Asha Verma** | **Asst Professor, Govt. Jalan College, Ratangarh (Churu)** |
|  | **Dr. Sandeep Sharma** | **Imaginng technology** |
|  | **Dr. Sandeep Sharma** | **Principal, Shyam College, Bhadra (Hanumangarh)** |
|  | **Dr. Madhu Sharma** | **Principal, Vinayka College, Fatehpur Shekhawati{Sikar}** |
|  | **Dr. Surendar Kr. Saini** | **Principal, Shekhawati College (Sikar}** |
|  | **Dr. Pyarelal** | **Principal, Bissau** |
|  | **Sh.B.M.Chabarwal** | **Principal , Govt. School, (Sikar)** |
|  | **Dr. Sohan Singh Rajpurohit** | **Assoc Professor, DAV College (Mallot}** |
|  | **Dr. Manoj Soni** | **ADJ, District Court, (Jaipur}** |
|  | **Dr. Ravi Sharma** | **Principal, Jhunjhunu Academy (Jhunjhu)**  |
|  | **Dr. Kamal Sharma** | **CMO, Veterinary Hospital (Churu)** |
|  |  |  |
|  |  |  |
|  |  |  |
| **Zoological Association** |
| Every year zoological association is inaugurated by an invited talk by faculty member of zoology department or by professor of nearby University or college. Two students were elected for smooth functioning of the association. One topper student of MSc(Previous) and one form M.Sc.(Final) students were nominated as per merit list. They plan for presentation of lecture by students on various topics related to their syllabus and their presentation is evaluated by faculty members and they guide them for any shortcomings and improvement. A register is maintained with all details of lecture and events organized under the banner of zoological association. The event coverage is forwarded to editors of daily news paper like Rajasthan patrika, Dainik Bhaskar and other local news papers. The selected photographs were shared on college website and social media platform like facebook, whatsapp, telegram etc. |
| **Programme outcomes of Zoology** |
| **B.Sc. course**  |
| * **Must have the knowledge of animals of Invertebrate and vertebrates**
* **Must Have the knowledge of communicable disease, health and hygiene**
* **Can prepare models and charts to explain the zoology topics at 10+2 level**
* **Have knowledge of study of animals in wild areas.**
* **Have knowledge of National parks and Sanctuaries**
* **Lab test RBC, WBC, HB, ESR, Clotting time**
* **Soil test, water test, BOD, CO2, turbidity**
* **statistics application on raw data collected from a survey**
* **Knowledge of Bar diagram and histogram**
* **museum arrangement ,osteology preservation of specimens**
* **food test knowledge**
 |
| **M.SC. (Zoology) Course** |
| * **Expert in use of smart board**
* **Have knowledge of use of chromatography, electrophoresis**
* **Capable in identification of pathological test like Hb, ESR, RBC counting,**

**WBC counting, Platelet counting.*** **Knowledge of separation and identification of amino acids from blood sample**
* **Knowledge of glucose test and blood test,**
* **Knowledge of genetics and pedigree analysis to solve SEX linked disease and other hereditary issues knowledge of use of statistics in analysis of raw data related to forest, health, population etc**
* **Must knowledge of identification of animals upto genus level with help of taxonomic key capable in survey and sample collection**
* **Must be able to write tour report or visiting report and mini projects for small grant schemes of UGC, DST, CSIR.**
 |
| **Strength of the Department** |
| * Well trained staff
* Recognition of department at national as well as international level
* Well equipped laboratories
* Enrich zoological museum
* Very rich departmental library with 1193 books’
* Weekly students seminar
* Guide the students for various competitive examination
* Video lecture production by faculty members on various topics
* Prepare model test papers for evaluation
* Organize various events on National Heart Day, AIDS Day, National Cancer day, wetland Day, Salimali birthday, wildlife week
* Excursion tour of students to various national parks, sanctuaries and research labs of reputed centre with ISO marked
 |
| **Weakness of the department** |
| * Lack of development grant from UGC
* No financial assistance from UGC to faculty members for MRP
* No Travel grant to faculty members from UGC and state Govt. to participate in conferences, seminars, workshops and symposium.
* Non appointment of lab assistant, lab boy, museum keeper, animal catcher and taxidermist
* Huge workload of extra works instead of teaching.
* High speed internet connection
 |
| **Challenges**  |
| * Large class size
* To inculcate entrepreneurship in students
* To develop teaching and research programs, which are novel, integrative
* that attracts best brain of the country
* Still need a better infrastructure and better resource
 |
| **Future plan of the Department** |
| * Develop a separate museum of entomology and wildlife.
* Start diploma course in wildlife tourism guide
* Establish a lecture theater with all modern teaching aids and instruments with support of zoology alumni.
* Invite professors to deliver their talk on various topics of B.Sc and M.Sc. level.
* Organize an international level conference in the subject of Zoology
* To develop a studio for video production and animation lecture.
 |
| **Best Practices in Department** |
| * **Conducted mock interviews for students who are appearing various competitive examination**
* **Organize seminar from time to time**
* **Celebrate various famous days**
* **Invite visiting professors to deliver talks**
 |
| **Media Coverage**  |
| Events organized by zoology department are widely circulated and published in daily news papers and social media page like facebook and instagram. Besides these popular story regularly published based on wildlife, avian biodiversity, insect fauna, and reptilian biodiversity. Some important coverage are filed and displayed on notice boards. |
| **Lecture deliver by visiting professors.** |
| **In zoology department we regularly organize the guest lecture by eminent personalities for enrichment of knowledge for B.Sc. and M.Sc. students. Some important lecture delivered by following personalities.**1. **Prof. Suresh Chandra Lodha (University of California) on “Possibilities of higher education in USA”.**
2. **Prof. Brad Taylor (California) delivers a talk on “How microchip designed and developed for new age technology”.**
3. **Prof. Sandra Page Taylor (California) deliver a talk on “Comparison of social system in India and USA”.**
4. **Prof. David Zurick ( Kentucky University) USA on “Biodiversity of Himalayan area”.**
5. **Prof. Madhusudan Vyas ( Asst Professor at University of Auckland, Newzeland) on “Nuclear medicine”.**
6. **Prof. O P Jangur ,IASE on “How to write a good research paper”.**
7. **Prof. Meera Srivastav (Ex HOD, Dungar College, Bikaner) on “How to review literature in research”.**
8. **Dr.. Dharmendra Khndal (Tigerwatch) on” Tiger awareness”**
 |
| **Role of Bhamasah in development of Zoology department** |
| Faculty members of zoology department regularly invite multimillionaire businessman of the town to contribute for development of the department. Following development is carried out with support of1. Development of M.Sc. Final laboratory with financial support of Seth. Rajendraji Hirawat of Ratan Nagar with a support of Rs 4 lakhs for renovation of zoology lab.
2. Development of research laboratory with support of Soni foundation(Calcutta), Hirawat foundation(Chennai), Prerana foundation(Calcutta) and Harish Behlim (Bhaleri). Estimating Rs 1.20 lakh
3. One computer set and laser printer is donated by Prof. K C Soni to zoology department. Estimating Rs 32000
4. Three R.O. Plant with assistance of Rajendraji Hirawat of Ratan Nagar. Estimating cost 45000
5. Renovation of zoology museum and lab work by K C Soni estimating Rs 1.50 lakh
6. Installation of artificial bird nest in college and Churu city with support of Hemant Soni estimating rs. 2.50 lakhs
 |
| **Evaluation Process** |
| In B.Sc. Part first and M.Sc. semester system is started from MGS University as per new education policy in which examinations, practical’s and internal test organized two times in a year. Besides this faculty members also take test from time to time. |
| **Teaching Methodology** |
| 1. **Chalk and Talk method**
2. **By visualiser**
3. **By OHP**
4. **By LCD Projector**
5. **By Podium Machine**
6. **By Group discussion and organize seminars**
 |
| **Extension activities by Faculty members** |
| Faculty member of zoology department are expert in the field of Entomology, Ornithology and wildlife. The members are regularly invited for extension activities of Forest department, Churu; Taal Chhapar Back buck sanctuary and nearby schools and colleges to deliver their knowledge to local people and newly recruited foresters. Dr K C Soni is included in welfare and conservation of Tal Chhapar Black Buck sanctuary by Rajasthan High Court. |
|  **Some important website links** |
| **S. No** | **MGS University, Bikaner** | [**https://www.mgsubikaner.ac.in/**](https://www.mgsubikaner.ac.in/) |
|  | **Central University, Ajmer** | [**https://www.curaj.ac.in/**](https://www.curaj.ac.in/) |
|  | **JNU, Newdelhi** | [**https://www.jnu.ac.in/main/**](https://www.jnu.ac.in/main/) |
|  | **Delhi University** | [**https://www.du.ac.in/**](https://www.du.ac.in/) |
|  | **BHU, Varanasi** | [**https://www.bhu.ac.in/Site/Home/1\_2\_16\_Main-Site**](https://www.bhu.ac.in/Site/Home/1_2_16_Main-Site) |
|  | **MS University, Baroda** | [**https://msubaroda.ac.in/**](https://msubaroda.ac.in/) |
|  | **Osmania University, Hyderabad** | [**https://www.osmania.ac.in/**](https://www.osmania.ac.in/) |
|  | **Kamraj University, Madurai** | [**https://mkuniversity.ac.in/new/**](https://mkuniversity.ac.in/new/) |
|  | **Gurukul kangri, Haridwar** | [**https://www.gkv.ac.in/**](https://www.gkv.ac.in/) |
|  | **WII, Dehradun** | [**https://wii.gov.in/**](https://wii.gov.in/) |
|  | **SACON, Coimbatore** | [**https://www.sacon.in/**](https://www.sacon.in/) |
|  | **IISC, Banglore** | [**https://iisc.ac.in/**](https://iisc.ac.in/) |
|  | **AIIMS, Newdelhi** | [**https://www.aiims.edu/index.php?lang=en**](https://www.aiims.edu/index.php?lang=en) |
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