



ज्ञान-विज्ञान विमुक्तये
University Grants Commission

**GIRRAJ GOVERNMENT COLLEGE (A),
NIZAMABAD.**



DEPARTMENT OF ZOOLOGY

**TWO DAY WORK SHOP ON
“TECHNOLOGICAL ADVANCES IN
ANIMAL SCIENCES”
26-27TH MARCH, 2019.**

INVITATION



ज्ञान-विज्ञान विमुक्तये
University Grants Commission

WORKSHOP
On

Technological Advances In Animal Sciences

March 26-27, 2019



Organized by
DEPARTMENT OF ZOOLOGY
Girraj Government College (A), Nizamabad

Resource Persons

Prof. B. N. REDDY (Retd),
Professor, Dept. of Botany, OU, Hyd

DR. NAGESHWARA RAO AMANCHI,
Asst. Professor, Dept. of Zoology, Nizam College, OU, Hyd

DR. S. SOMESHWAR RAO
Asst. Professor, Dept. of Biotechnology, OU, Hyd

Sri. K. Dubba Rajam,
Principal

Sri. G. Srinivas Reddy
Convener

Mr. G. Devidas
Mrs. Rafia Yasmeen
Coordinators

Dr. A. Sunil Kumar
Organizing Secretary



ABOUT THE COLLEGE:

Girraj Govt. College, an autonomous institution is affiliated to Telangana University. This institute is one among the government colleges of Telangana State with CPE status by UGC and NAAC Re-accredited with 'B'. The college was established in 1956 with pre university course and under graduate courses with objective of providing quality higher education to the needy students of Nizamabad and adjacent districts. Many philanthropists including Sri Girrajmal Agarwal extended their helping hand through donations to start this prestigious institution. The college was taken over by the government of A.P. in 1959. The present premises of college were constructed in 1969 on 29.6 acres of land. The college presently offers 23 UG & 9 PG courses with 5000 students. The campus possesses equipped laboratories, Jawahar Knowledge centre, Sports & Gymnasia, National cadet corps, National social service, UG & PG Libraries, Study centers: Prof. G. Ram Reddy CDE, OU, Hyd., IGNOU, Dr. BRAOU, Hyd., Hostels for Boys & Girls that provides opportunity to pursue education in natural environment.

ABOUT THE DEPARTMENT:

The Department of Zoology was established in 1956, since the inception of the college. In the beginning only one group B.Sc. (B.Z.C) was associated with the Dept., presently the students of B.Sc. Microbiology, Biochemistry and Biotechnology opt the zoology one of the optional. So far many students confined to the subject areas brought laurels to the Dept. by elevating themselves to the national & international levels in the educational pursuits. The Dept. has offered M.Sc. zoology with specialization fisheries & aquaculture, comparative animal physiology from the academic year-2005-06. The faculty of the Dept is encouraging the M.Sc. students with update knowledge in the subject content that contribute them to enter the R&D. The Department has got linkages with National Fish Seed Farm, Animal disease diagnostic laboratory, Dist. Malaria Dept., and Govt. Medical College Nizamabad. The Dept. works in guidelines of Zoology Dept., Telangana, & Osmania University for framing UG syllabus. An interdisciplinary elective subject-public health & hygiene is introduced in the Dept. under Choice Based Credit System.



ABOUT THE COLLEGE:

ABOUT THE WORKSHOP:

Department of Zoology is organizing a Two Day Workshop on chosen topics for students, scholars and faculties. Speakers include eminent Scientists and Professors from various Academies.

OBJECTIVES OF LECTURE WORKSHOP

- To benefit the students and faculty at the undergraduate, postgraduate and research levels.
- To discuss topics relevant to applied biology for both undergraduate, postgraduate students
- To encourage the students to involve in research activities that are being carried out in different research institutes.
- To create an excellent rapport with the eminent scientists and researchers.

ELIGIBILITY TO ATTEND :

B.Sc., M.Sc., M. Phil, Ph.D. Scholars and faculty from life sciences are eligible to attend.

CONTACT :

G.Srinivas Reddy

Convener & Head, Dept. of Zoology
Girraj Government College(A), Nizamabad
E-mail:deptzoolgcnzb@gmail.com
Mobile:+91-9440899309

**REGISTRATION FORM
WORKSHOP
ON**

**Technological Advances
In
Animal Sciences**

March., 26-27, 2019

Name of the Candidate:

Category: Student/Research Scholar/Faculty

Gender: Male/Female

Department:

College/University:

Email:

Mobile:

Applicant's Signature

Registration Fee:

Students and Research Scholar: Rs. 300/-
Faculty and Delegates: Rs. 500/-

NOTE:

Last Date for registration is 24th March 2019
Submit details to the Convener of the
Workshop



WORKSHOP COMMITTEE

PATRON	Sri.K.Dubbarajam, Principal
CONVENOR	Sri.G. Srinivas Reddy Head, Dept. of Zoology
COORDINATORS	Mr.G.Devidas Mrs.Rafia Yasmeen
ORGANIZING SECRETARY	Dr. A. Sunil Kumar
ADVISORY COMMITTEE	Sri.P.V.V.Satya Varaprasad UGC A Autonomy Coordinator Sri Dr.E.Laxmi Narayana IQAC Coordinator Sri A.Gangadhar, Vice Principal & HOD Mathematics Sri Dr.T.VenugopalaSwamy Principal (FACGC, Armoor & BOS ZOOLOGY, TU Smt.Dr.M.Sunitha HOD Chemistry Smt P.Latha HOD Botany Sri Deepak Parmar HOD Biotechnology Prof. B. VidyaVardhini, TU Dr. M. Praveen, TU Dr. A.A.Haleem Khan, TU
ORGANIZING COMMITTEE	Mrs. M.Deepthi Mr.B.Deepak Mrs.A.Lavanya Mr.N.Krishna Mohan Mr.S.Abbu Mrs.R.Aparna Miss.Shahana Begum
THEMES & Resource persons Prof. B. N. REDDY (Retd), Professor ,Dept. of Botany, OU, Hyd > An overview of activities of Science Education DR.NAGESHWARA RAO AMANCHI, Asst. Professor, Dept. of Zoology, Nizam College, OU,Hyd > Development of Microscope > Fold Scope Microscope Assemble & Usage DR.S. SOMESHWAR RAO Asst. Professor, Dept. of Biotechnology,OU,Hyd > Isolation of genomic DNA & Electrophoresis of the DNA and Spectroscopic Quantification of DNA > Primer designing , PCR Amplification a part of House keeping Gene and Detection and Characterization of PCR Amplified - DNA	



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ON**

**Technological Advances
In
Animal Sciences**

March., 26-27, 2019

Supported by
UGC Autonomy Grants

Organized by

**DEPARTMENT OF ZOOLOGY
GIRRAJ GOVERNMENT COLLEGE
(Autonomous)**

**NAAC Re-accredited with 'B'
(Affiliated to TELANGANA UNIVERSITY)**

Dubba, NIZAMABAD -503002

deptzoolgcnzb@gmail.com

website: www.gcnzb.info



&



**GIRRAJ GOVERNMENT
COLLEGE (A)
Dubba, Nizamabad -503002**

Cordially Invites You

To,



4

గిరిరాజ్ లో జంతుశాస్త్ర కార్యశాల

కంఠేశ్వర్, న్యూస్ టుడే: గిరిరాజ్ డిగ్రీ కళాశాలలో ఈ నెల 26, 27 తేదీల్లో జంతుశాస్త్రం విభాగం ఆధ్వర్యంలో కార్యశాలను నిర్వహించనున్నట్లు కళాశాల ప్రిన్సిపల్ దుబ్బురాజం తెలిపారు. కళాశాలలో కార్యశాలకు సంబంధించిన కరపత్రాలను సోమవారం విడుదల చేశారు. ఈ సందర్భంగా ఆయన మాట్లాడుతూ.. జంతుశాస్త్రంలో ప్రస్తుతం మార్పులు, నూతన ఒరవడుల గురించి కార్యశాలలో చర్చిస్తారన్నారు. విద్యార్థులు సద్వినియోగం చేసుకోవాలని సూచించారు. ఉస్మానియా విశ్వవిద్యాలయం జంతుశాస్త్ర విభాగం ఆచార్యులు బీఎన్ రెడ్డి, నిజాం కళాశాల అసిస్టెంట్ ప్రొఫెసర్ డాక్టర్ నాగేశ్వరరావు, ఉస్మానియా విశ్వవిద్యాలయం అసిస్టెంట్ ప్రొఫెసర్ డాక్టర్ సోమేశ్వర్ రావు ముఖ్య అంశాలపై ప్రసంగించనున్నారు. ఆవిష్కరణ కార్యక్రమంలో కార్యశాల కన్వీనర్ జీ శ్రీనివాస్ రెడ్డి, వైస్ ప్రిన్సిపల్ ఏ గంగాధర్, దేవదాస్, సునీల్ కుమార్ పాల్గొన్నారు.



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ఇన్ స్టాల్ చేయి



TO-DAY WORKSHOP
on
Technological Advances in Animal Sciences

March 26-27, 2019

Supported by
UGC Autonomy grants

Organized by
Dept. of Zoology
Girraj Govt. College (A), Nizamabad

WORKSHOP SCHEDULE

Day-I

S. No	Session	Name of the Resource Persons
*	9:30 to 10.00 am	Registration
1	10:00 to 11:15 am	Inauguration & An overview of activities of Science Education Key Note Address : Prof. B. N. REDDY (Retd) Dept. of Botany, OU, Hyd.
	11:15 to 11:30 am	Tea break
2	11:30 to 12:15 pm	Invited Talk-I Title: DEVELOPMENT OF MICROSCOPE DR.NAGESHWARA RAO AMANCHI, Asst. Professor, Dept. of Zoology, Nizam College, OU,Hyd
3	12:15 to 1:30 pm	Technical Session :Hands-on Experience
	1:30 to 2:00 pm	Lunch
	2:00 to 2:45 pm	Invited Talk -II Title: FOLD SCOPE MICROSCOPE ASSEMBLE & USAGE DR.NAGESHWARA RAO AMANCHI
4	2:45 to 4:15 pm	Technical Session: Hands-on Experience
	4:15 to 4:30 pm	Tea Break
	4:30 to 5:00pm	Question & Answer session

Day-II

1	10:00 to 10:45 am	Invited Talk -III Title: DNA Extraction , Isolation & Estimation & Electrophoresis DR.S. SOMESHWAR RAO Asst.Professor, Dept. of Biotechnology,OU,Hyd
2	10:45 to 1:15pm	Technical Session: Hands-on Experience
	1:15 to 2:00 pm	Lunch
3	2:00 to 2:45 pm	Invited Talk -IV Title: Primer Design & PCR DR. S. SOMESHWAR RAO
4	2:45 to 4.30 pm	Technical Session: Hands-on Experience
	4:30 to 4:40 pm	Tea Break
	4:40 to 5:00 pm	Question & Answer session
*	5:00 to 5:30 pm	Brief Valedictory

REGISTRATION FORM

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Girraj Govt. College (A), Nizamabad**

Name of the Candidate:

Category: Student/Research Scholar/Faculty

Gender: Male/Female

Department:

College/University:

Email:

Mobile:

Applicant's Signature

RESOURCE PERSONS

Prof B.N Reddy was Resource Person/ Judge/ Mentor/ in DST . INSPIRE Internship/ Work shop and National children Science Congress held at Nagarjuna University. Guntur, Kakatiya University, Warangal, Nuzivid, Penugonda, West Godavari

AMANCHI NAGESWARA RAO.PHD

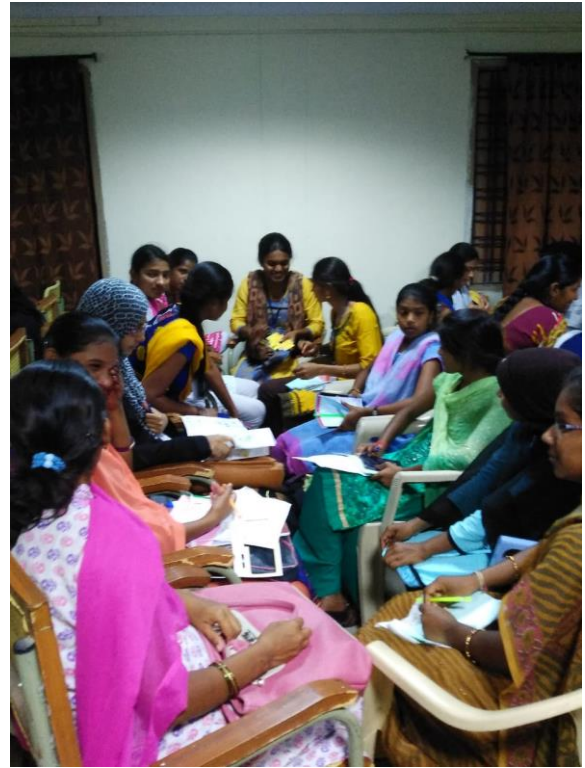
Dr. Nageswara Rao Amanchi is an Assistant Professor of Zoology in the Osmania University, Nizam College, (Autonomous), and Hyderabad, Telangana State, India. He has Masters in Zoology and obtained his Ph.D. in Zoology in the area of Protozoology and Environmental Toxicology from Osmania University in the year 2007 and joined as a teaching faculty. His research interests lie in the area of Freshwater protozoan ecology, Ecotoxicology of pesticides, heavy metals and environmental safety. He has collaborated with researchers in other disciplines of Life sciences, particularly environmental Sciences, biotechnology for bioremediation of pollutants, and Applied Toxicology. He is the instructor for both Undergraduate and Post-graduate programmes. He has 14 years of teaching and 10 years of research experience to his credit. The topics he teaches are Biology of Invertebrates and Vertebrates, Bio molecules, Chick Embryology and Development for UG Students, Molecular Genetics and Developmental Biology, Tools and Techniques, Principles of Toxicology, Environmental and Occupational Toxicology and Research Methodology for PG Students. He has associated actively in organizing several of national and international conferences, seminars and workshop programs for upcoming researchers and students in the University. He received grants from UGC and has published his research findings in national and International reputed journals. He is Life member in several academic bodies and assistant editor in International Journal of Zoology Studies.

Dr. Someswar Rao Sagurthi is currently working as an Assistant Professor in Department of Genetics & Biotechnology of Osmania University. Dr.Someswar obtained his Masters in Biotechnology from Jawaharlal Nehru University, New Delhi in 2001 and Post graduate diploma in Bioinformaticsthe same University in 2002. He received hisPh.D in “Protein crystallography and structural virology” from Indian Institute of Science, Bangalore in the year 2009. He was a Post-DoctoralFellow-I atScripps Research Institute, Molecular Biology , San Diego, California, USA from 2009-2010. He was also a Post-DoctoralFellow-II at The Samuel Roberts Noble Foundation, Department of Plant Biology. Ardmore, OK, USA from 2010-2013.He joined as an Assistant Professor in Osmania University in 2013. He has started his research in Drug Design and Molecular Medicine. His research interests are Protein Crystallography and *Insilico* Drug Designing studies. His dedication towards research is reflected by numerous publications in international journals with high impact factors. He determined three dimensional crystal structures of several proteins which are available in Protein Data Bank. He is not only a successful researcher but an energetic faculty member too. He was a former faculty of Jamia MilliaIslamia Central University, New Delhiand faculty of Amity University, Noida, U.P. He is a member of BOS for various institutions. He is appointed as core committee member for Research Development and Consultancy Cell (RDCC) , Osmania university. He is a recipient of several awards-CSIR. He got selected for Young Investigators’ Meeting in 2017 and 2018. He is also an associate member of Telangana Academy of Science 2017. He organized conferences , seminars and workshops in the field of Biotechnology. He addressed as a keynote speaker in National and International conferences held by various universities.



Prof B.N Reddy





DR. NAGESWARA RAO AMANCHI





Dr. Someswar Rao Sagurthi











నాక్కి 4

టీఆర్ఎస్ మా పూర్తి మద్దతు

మూడు మార్లుగా కార్యక్రమం

గిరిరాజ్ కళాశాలలో వర్కషాప సారథి

పనుపు రైతుల దోపిడీ తగ్గు

మాది హయాంలో కుంటుపడిన ప్రగతి

ప్రధానిగా మాదీని యివ్వవలసి కోరుకుంటోంది

పనుపు రైతుల దోపిడీ తగ్గు

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17/20

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చర్యలకు రంగం సిద్ధం

గిరిరాజ్ కళాశాలలో కార్యక్రమం

మూగజీవాల సంరక్షణకు

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నటులకు సన్మానం

గిరిరాజ్ కళాశాలలో ముగిసిన కార్యక్రమం

పనుపు రైతుల దోపిడీ తగ్గు

రైతులకు మద్దతుగా నిలబడాలి

SECRET SAUCE

నాక్కి 15/17

గిరిరాజ్ లో ముగిసిన వర్కషాప

ఉత్తమ సేవలు అందించిన వర్కషాప

ప్రతి కబడ్డీ క్రీడాకారుడికీ

గిరిరాజ్ లో ప్రారంభమైన జంతుశాస్త్ర వర్కషాప్



వర్కషాప్ లో పాల్గొన్న విద్యార్థులు

నిజామాబాద్ అర్బన్, మార్చి 26: నగరంలోని గిరిరాజ్ కళాశాలలో జంతు శాస్త్ర విభాగం ఆధ్వర్యంలో జంతుశాస్త్రంలో ఆధునిక సాంకేతిక పాకడలు అనే అంశంపై సెమినార్ మంగళవారం ప్రారంభమైంది. రెండు రోజుల పాటు జరగ నున్న ఈ సెమినార్ లో మొదటి రోజు విశ్రాంత ప్రొఫెసర్ బీఎన్.రెడ్డి ముఖ్య వక్తగా పాల్గొని స్వతంత్ర అనంతరం సైన్స్ విభాగంలో జరిగిన పరిశోధనల గురించి వివరించారు. నిజాంకాలేజ్ అసిస్టెంట్ ప్రొఫెసర్ నాగేశ్వర్ రావు మైక్రో స్కోపిక్ రంగంలో నూతన ఆవిష్కరణ అయిన ఫ్లడ్ స్కోప్ నిర్మాణం, దాని పని తీరును సైడ్ ల ద్వారా నూత్నజీవులను ఎవివరించారు. ఈ కార్యక్రమంలో కళా శాల ప్రిన్సిపల్ దుబ్బరాజం, చైస్ ప్రిన్సిపల్ గుగాధర్, కన్వీనర్ శ్రీనివాస్ రెడ్డి, ఇతర అధ్యాపకులు పాల్గొన్నారు.