



**SKR & SKR GOVERNMENT COLLEGE FOR WOMEN,
(AUTONOMOUS), KADAPA
RE-ACCREDITED WITH "B" GRADE BY NAAC
AFFILIATED TO YOGI VEMANA UNIVERSITY**



NEWSLETTER FEBRUARY 2025

**COMMISSIONERATE OF COLLEGIATE EDUCATION
GOVERNMENT OF ANDHRA PRADESH**

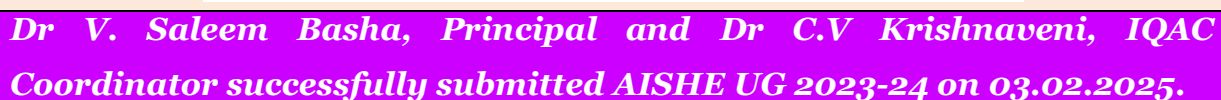
NEWSLETTER	FEBRUARY, 2025	
COLLEGE NAME	SKR & SKR GOVT. COLLEGE FOR WOMEN (A), KADAPA .	
ADDRESS	NAGARAJUPETA, KADAPA	
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Dr. V. Saleem Basha, M.Sc., B.Ed., Ph.D. Principal. Dr. P. Gurivi Reddy, M.Sc., M.Ed., Ph.D. Vice-Principal. Dr. K. Shalini, M.Sc., APSET, Ph.D. Newsletter Coordinator.	I. Curricular Aspects	3-18
	II. Achievements	19-19
	III. Research	20-20
	IV. Extra Curricular Activities	21-22
	V. Newspaper clippings	23-24
<u>From Principal's Desk</u> (Brief Overview of all events) Students were actively participating both Curricular and Co-curricular activities. Staff encouraging the students to involve in all activities, awareness programmes, National and International days, Competitions, Sports etc.		

I. CURRICULAR ASPECTS:

1.ADMISSIONS CAMPAIGN TO JUNIOR COLLEGES

All departments of the college went to admission campaign to the near by junior colleges and explained about the facilities, infrastructure and achievements of the staff and students etc.





The image shows a group of 12 individuals, likely students and faculty, standing in a hall and holding certificates. The background features several informational posters on the wall. One poster is titled "PARENTS" and lists various services and contact information. Another poster is titled "Mission of the Institution" and lists the institution's goals and vision. A third poster is titled "SRI LANKA DIST. COLLEGE ON WOMEN'S STUDIES" and lists various programs and activities. The group is standing in front of a wall with these posters, and the floor is made of polished wood.

Dr. V. Saleem Basha, Principal, Sri N.Raghavendra, Controller of Examinations and all the department incharges released I, III & V Semester Results on 07.02.2025.

4. RJDCE VISITED TO THE COLLEGE 07.02.2025



Dr. D. Nagalinga Reddy, RJDCE, Kadapa college and conducted a thorough review of academic matters and about the steps to be taken to avoid untoward incidents if any in the college premises and in the hostel campus on 07.02.2025. The RJDCE visited the classes interacted with the students and verified their notebooks, and checked cleanliness of rooms, toilets, water facility. A meeting was held with the college women faculty regarding nutrition food, discipline maintenance in the hostel etc. and assigned duties to monitor the students during lunch time and discussed. Sir also visited the hostel and gave constructive suggestions.

5. FELICITATION TO NCC RANK HOLDER 10.02.2025



Dr V. Saleem Basha, Principal, Dr B. Swaroopa, NCC CTO and all the staff members felicitated Kum. Sumaya, B.Com Student, NCC Rank Holder for successful completion of Republic Day Parade at New Delhi on 10.02.2025. All the Staff and NCC Cadets participated in this programme.

6. ORIENTATION PROGRAMME TO TEACHING STAFF ON ACADEMIC AUDIT-12.02.2025 & 13.02.2025



Dr C.V Krishnaveni, IQAC Coordinator organised training programme to all the teaching staff on Academic Audit on 12.02.2025 and 13.02.2025. Dr V. Saleem Basha, Principal be the resource person and explained in detail about the preparation of academic audit reports. All the staff members participated in this programme.

7. SWACHH ANDHRA-SWARNA ANDHRA-15.02.2025

Dr V Saleem basha Principal and all the staff participated in Swachh Andhra-Swarna Andhra programme on 15.02.2025. Principal, staff and students participated in Rally from college to seven roads circle and one town circle. Swachh Andhra pledge were taken by Students and staff in the college premises, Later the students cleaned their classrooms, departments and laboratories etc.





8. CAMPUS DRIVE-17.02.2025



Smt P. Sujatha, JKC Coordinator and Sri K.Vara Prasad, JKC Full time mentor organised campus drive on 17.02.2025. Dr V. Saleem Basha, Principal inaugurated the programme and addressed the gathering, Smt P. Sujatha, JKC Coordinator explained the objectives of the programme. HDFC Bank HR interviewed the students for the job role Assistant Manager. 200 students attended for the interview and 30 students got placement. Principal and staff conveyed wishes to the students who got placement.

9. MATHS CERTIFICATE COURSE EXAM-18.02.2025



Department of Mathematics conducted certificate course exam on Quantitative aptitude on 19.02.2025. Students and department staff participated in this programme.

10. INTERNATIONAL MOTHER LANGUAGE DAY CELEBRATIONS-21.02.2025



Dept of Urdu, Telugu and Hindi celebrated International Mother Language day on 21.2.2025. Dr V. Saleem Basha, Principal inaugurated the programme and explained importance of Mother language. Prof.P.Padma garu, Register YVU, Kadapa be the chief guest, enlightened the students, Special Speakers, Dr. Syed Iqbal Kusro Gary, GDC Men(A) kadapa, Mula. Mallikarjuna, Executive member, YVU, Kadapa are the special speakers and created awareness among the students. Staff and students participated in this programme.

11. MEET AND GREET PROGRAMME-24.02.2025



Department of English organised “Meet and Greet” programme on 24.02.2025. Dr. V. Saleem Basha, Principal emphasized the importance of such interactive sessions in fostering personal growth and academic excellence. Principal sir encouraged the students to apply the insights gained from this session to their everyday lives, cultivating self-awareness, emotional intelligence, and resilience. He also reminded them to maintain a reflective journal to record their thoughts, feelings, and takeaways from the session. O. Venkateswara Reddy, a renowned psychologist be the resource person emphasized the significance of self-awareness, offering valuable perspectives on personal growth and development. He fascinated the audience by analyzing the signatures of students and lecturers, providing intriguing insights into their personalities. Staff and students participated in this programme.

12. ATTENDED AS CHIEF GUEST TO SCIENCE EXHIBITION-24.02.2025



Dr V. Saleem Basha, Principal, Dr P. Sachi Devi, Lecturer in Zoology attended as guests to the Science Exhibition conducted by Bhashyam school, Kadapa on 24.02.2025. Students exhibited their science exhibits. Principal distributed prizes to the winners.

13. NCC RANK TO THE NCC CADETS-24.02.2025



Dr V. Saleem Basha, Principal Sir issued Ranks to II Year NCC Cadets on 24.02.2025. On this occasion our NRC Coordinator Captain Dr. L.Raja Mohan Reddy Sir gave valuable and inspirable suggestions and instructions to our Cadets. Vice Principal Dr. P. Gurivi Reddy Sir & NCC CTO Dr. B. Swaroopa participated in this program.



14. HOSTEL MEETING-25.02.2025



Dr B. Swaroopa, Hostel deputy warden conducted Hostel Committee meeting and discussed about the requirements for students on 25.02.2025. Committee members Dr. Shazeeya Begum, Lecturer in Urdu Dr. G.Vijaya Lakshmi Devi, Lecturer in Economics, Smt. A.Anuradha, Lecturer in Botany, Dr. Noor Rizwana, Lecturer in Zoology, Smt. Ramya Smitha, Lecturer in Computer Science participated in this programme.

15. AWARENESS PROGRAMME ON "FINANCIAL PLANNING, SAVING AND RISK MANAGEMENT ON 27.02.2025



Smt Y. Nagaratnamma, Women Empowerment Cell Convenor organised awareness programme on "Financial Planning, saving and Risk management" on 27.02.2025. Dr V. Saleem Basha, Principal inaugurated the programme and addressed the gathering. G.Janardhanam, Lead District chief Manager, Canara Bank, Kadapa acted as Chief guest and explained in detail about the Financial planning, saving accounts, fixed deposits, pension plans, risk management etc. Later all the woman staff participated in the quiz conducted by bank officials.

16. NATIONAL SCIENCE DAY CELEBRATIONS-28.02.2025



On the occasion of National Science Day Department of Zoology and Botany conducted Elocution and model making competition to the students and distributed prizes and certificates to the participants on 28.02.2025. Department of Physics organised Science Day celebrations by inviting Dr R. Veera Sudharshan Reddy, Principal, SV College of Engineering, Kadapa acted as resource person, explained in detail about the importance of science and created awareness among the students.

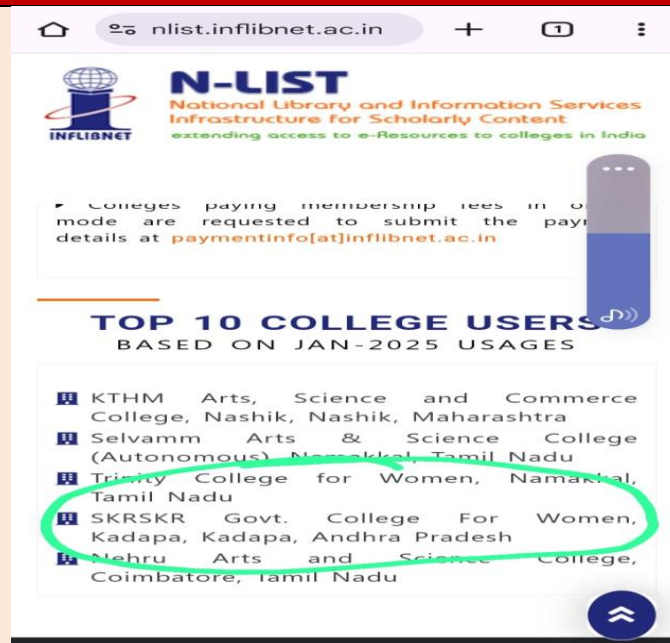
17. AWARENESS PROGRAMME ON NATIONAL SCIENCE DAY-28-02-2025



On the occasion of National Science Day NSS units in association with JVV conducted an awareness talk on the theme "empowering Indian youth for Global leadership in science and Innovation for Viksit Bharat" on 28.02.2025. Dr.Brahama Reddy, leader founder of JVV was the invited speaker. Principal sir and staff felicitated the invitees. At the end JVV Team conducted " walking on glass pieces" stunt to the staff and students.

II. ACHIEVEMENTS:

1. N LIST- DIGITAL LIBRARY INFORMATION SERVICES



SKR College achieved fourth place in India in N List digital library and information services infrastructure for scholarly content.

2. ALL INDIA CIVIL SERVICES VOLLEY BALL TOURNAMENT-14.02.2025 TO 18.02.2025



K.madan mohan physical Director SKR Govt college for women played for Andhra Pradesh in All india Civil Services volley ball Tournament at Chennai Tamilnadu from 14 th to 18 th February 2025.

III. RESEARCH

1.PAPER PUBLICATION 15.02.2025

<i>J. Exp. Zool. India</i> Vol. 28, No. 1, pp. 549-553, 2025 Website : www.connectjournals.com/jez	DOI: https://doi.org/10.51470/jez.2025.28.1.549 Crossref	ISSN 0972-0030 eISSN 0976-1780
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ORIGINAL ARTICLE

HISTOPATHOLOGICAL CHANGES IN THE LIVER AND HEART OF ALBINO RATS EXPOSED TO SUBLETHAL DOSE OF ETHION

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ABSTRACT : Ethion, an organophosphorous pesticide (O,O,O',O'-tetraethyl S,S'-methylene bis (phosphorodithioate)), has been used for nearly eight decades as an insecticide, acaricide, and ovicide for plants and animals. The aim of this study was to examine the histopathological effects of Ethion intoxication on the liver and heart of albino rats. Adult male Wistar strain albino rats were orally administered Ethion at a dose of 42 mg/kg body weight (1/5th of the LD₅₀) for periods of 10, 20 and 30 days, with doses given every 48 hours. The rats were divided into four groups; a control group and three experimental groups exposed to Ethion for 10, 20, and 30 days, respectively. After the exposure period, the animals were sacrificed, and liver and heart tissues were collected for histopathological examination. Light microscopy of the liver tissues from Ethion-treated rats revealed significant pathological changes, including central vein congestion (CVC), dilated sinusoids (DS), sinusoidal hemorrhage (SH), focal necrotic areas (FNA), and nuclear degenerative changes (NDG). Similarly, the heart tissues showed dose- and time-dependent histopathological alterations, such as slight infiltration (SI), blood vessel congestion (BVC), degenerated muscle fibers (DMF) and severe necrosis of cardiac muscle fibers (SNCMF), with the most pronounced damage observed in the 30-day exposure group. These findings indicate that Ethion exposure significantly disrupts the structural integrity of both the liver and heart tissues, impairing their function, as evidenced by the microscopic changes compared to the control group.

Key words : Albino rats, ethion, liver, heart, light microscopy, histopathology.

How to cite : P. Sachi Devi, U. Srineetha, C. Narasimha Rao and D. Veera Nagendra Kumar (2025) Histopathological changes in the liver and heart of albino rats exposed to sublethal dose of ethion. *J. Exp. Zool. India* 28, 549-553. DOI: <https://doi.org/10.51470/jez.2025.28.1.549>

INTRODUCTION

For several decades, organophosphorus (OP) compounds have been widely used in agriculture for crop protection and pest control, with thousands of these chemicals being tested and more than a hundred commercially available (Mogda *et al.*, 2006). However, the indiscriminate use of OP pesticides has led to harmful exposure in humans and non-target species. Today, OP compounds are the most commonly used pesticides globally (Heudorf *et al.*, 2006), with over 300,000 pesticide-related deaths occurring annually. Due to their accessibility, pesticides are frequently involved in suicide attempts (Tuba Özkul *et al.*, 2021).

Exposure to OP compounds can severely damage essential organs, including the liver, kidneys, heart,

nervous system, and reproductive system (Ferah Sayim *et al.*, 2007). These toxic substances may cause serious health hazards, such as non-organ-specific effects like carcinogenesis, endocrine disruption, and teratogenicity, as well as targeted toxicity affecting multiple organs, including the liver, kidneys, brain, heart and reproductive system (Hassan Abdel-Gawad *et al.*, 2021).

Ethion [(O,O,O',O'-tetraethyl S,S'-methylene bis (phosphorodithioate))], an organophosphorus (OP) compound, was introduced in 1956 for agricultural use as an insecticide, acaricide, and ovicide. Its widespread use in farming has raised significant concerns due to its adverse effects on environmental and public health. Ethion works by inhibiting the enzyme acetylcholinesterase (AChE) (Delkash-Roudsari *et al.*, 2022), which is responsible for breaking down acetylcholine in both the

Dr P. Sachi Devi, Lecturer in Zoology published paper in “Experimental Zoology, Web of Science and Scopus journal” on the topic entitled “Histopathological changes in the liver and heart of Albino Rats exposed to sublethal dose of ethion” on 15.02.2025.

IV. EXTRA CURRICULAR ACTIVITIES

1. NATIONAL DEWORMING DAY-11.02.2025



On the occasion of National De Worming Day Principal and staff distributed Albendazole tablets to the students on 11.02.2025.

2. EDUCATIONAL TOUR-DEPT OF BOTANY-17.02.2205



Department of Botany went to Horsley hills for field trip on 17.02.2025 and visited the Botanical garden and surrounding places.

3. EDUCATIONAL TOUR-DEPT OF ECONOMICS-18.02.2205



Department of Economics went to Field trip to Sricity, Tirupati on 18.02.2025 and visited Sricity company, Cool drinks manufacturing company.

