
$\uparrow$
Lhe e-news letter published by the Society of Life Sciences. Through this official publication, the activities of society and achievements of its members are highlighted. For research paper/review, the Society of Life Sciences publishes a regular U.G.C Approved and Peer Reviewed Biannual Journals......National Journal of Life Sciences and Life Science Bulletin.


Editorial Board<br>Editor-in-Chief<br>Dr. Rashmi Singh (Satna)

Executive Editors (2018-20)


Dr. M.M. Prakash
(Indore)


Dr. Veena Batra Kushwaha (Gorakhpur)


Dr. Kamlesh Choure (Satna)


Dr. Sugandha Singh (Bhopal)

Editors (2018-20)
Dr. Dilip Kumar Rathore
(Bundi)

Dr. Manoj Kumar Tripathi (Chitrakoot)

Dr. Pragya Khanna (Jammu)

Address for correspondence Dr. Shivesh Pratap Singh Chief Editor (Njls \& LSB)
8 The Society of Life Sciences 34-Prabhat Vihar Colony, SATNA 485001 (M.P.)
$\square+919827063262$

- slsindiajournals@gmail.com
(www.sIsjournals.com


## MISSION

The mission of the Society of Life Sciences is to help make science based informations more relevant in societal planning and public discourse. The Society aims to build a dynamic, interactive, global community of researchers to promote logical scientific excellence by providing a framework in which the various disciplines of the field can convene, collaborate, assimilate and advocate.

## VISION

The vision for the Society of Life Sciences is to promote communication in the field for the advancement of research and technology to improve the quality of life. Society recognizes that diversity drives innovation, excellence and new discoveries and endeavours to achieve this scientific philanthropic mission through collaborations, scientific meetings, publications, outreach and other activities that raise public awareness.


15he Society of Life Sciences is a registered scientific body working to promise scientific research and excellence in all the areas of Life Sciences. The Society was established in 2004 during the National seminar on "Recent trends in Life Sciences" (29, 30 Sept. 1 Oct. 2004) held at Govt. Autonomous P.G. College Satna (M.P.).

The Society provides a forum for publication of basic and applied researches in Life Science. The Society, has published more than two thousand research papers /reviews /memoirs/ policy/ documents on different research aspects in Life Science relevant to the Society in general and the Science in particular. The Society is regularly publishing two U.G.C. Approved \& Peer reviewed biannual journals i.e National Journal of Life Sciences and Life Science Bulletin from 2004, which are abstracted and indexed by many agencies. In consonance, the print quality is enlarged to pack more information and match with the international format of journals.

The journal includes original research/ review articles, short communication, scientific survey etc. covering all branches of Life Sciences to promote the research activities. All the research papers are peer reviewed before publication in the journals. The journal has been published regularly twice in an year (June and December) and also occasionally supplement issues and commemoration volumes. The Society has also published peer reviewed research and review articles of Global meet of Biologists 2012 (organized by Osmania University, Hyderabad) in special issue of National Journal of Life Science 12(3)2015 and 13(3)2016.

The Society works in collaboration with various Institutions/ Universities/ Colleges and has organised Annual sessions at Satna (2004), Khajuraho (2015, 2016) and Allahabad (2017) making opportunities for our academicians and researchers to come closer on common platform and share their works with each other. The Society awarded citation, medals and encouragement awards to research students and junior scientists and to encouraging their best presentation (oral and poster) throughout the country in more than twenty institutions.

The Society has given fellowship (FSLSc) to its selected life members in every year after the evaluation of their contribution. The society also conferred SLS Recognition Award, SLS Best Scientist Award and Life time Achievement Award, to the ones who are actively engaged in the service of Life science.

The Society of Life Sciences was having its own website previously www. njlsindia.org.com and now a new website has been launched www.slsjournals.com which shall be updated soon with latest information. Online-version of National Journal of Life Sciences and Life Science Bulletin has been started through www. connectjournals.com.

Through this memorable volume of SLS e-Newsletter 8(1\&2)2018, the activities of Society are highlighted.

Thanking for your kind and positive suggestions.

## 26-28, February 2018

# International Conference on "Science, Technology \& Social Humanities" <br> (ICSTSH-2018) 



## Report of $5^{\text {th}} \mathbf{S L S}$ Annual Session

Fifth Annual Session of the Society of Life Sciences, Satna and International Conference on "Science, Technology and Social Humanities" (ICSTSH-2018) was organized at School of Life Sciences, Dr. Bhimrao Ambedkar University, Khandari campus, Agra (U.P.) during February 26-28, 2018.

Prof. Neelima Gupta, Vice Chancellor, C.S.J.M. University, Kanpur was the Chief Guest and Dr. Gokhlesh Kumar, University of Medicine, Austria was the Guest of Honour during inaugural session of the conference. Prof. Arvind Kumar Dixit, Vice Chancellor Dr. Bhimrao Ambedkar University presided over the function. Dr. Surendra Singh, Convener \& Head, Department of Zoology, Dr. Bhimrao Ambedkar University welcomed the guests and the delegates, while Dr. R.B. Singh, Organizing Secretary, highlighted the focal themes of the conference. The
 inaugural session was addressed by all the dignitaries on the dais. Various awards of the Society of Life Sciences were announced by Dr. Shivesh Pratap Singh, Secretary SLS and handed over by the Chief Guest. In the end of the session Dr. Avnish Kumar, Joint Organizing Secretary of the conference proposed the vote of thanks. Inaugural session at J.P. Sabhagar was followed by Keynote lecture and oral presentation. Prof. S.V.S. Rana, Former Vice Chancellor, Bundelkhand University,
 Jhansi (U.P.), Dr. V.M. Katoch, Former Director General ICMAR, New Delhi and Prof. Shin Nanda, Myanmar were the invited speakers.
This International Conference was broadly grouped and conducted into four separate parallel sections, where invited lecture, oral and poster presentation were presented by eminent speakers and participants 1. Zoology, Botany and Environmental studies at School of Life Sciences, Khandari campus 2. Chemistry, Mathematics and Physics at Institute of Basic Sciences, Khandari campus 3. Biotechnology, Biochemistry and Microbiology at Institute of Engineering \& Technoogy, Khandari campus 4. All subjects of Social Humanities at Seth Padam Chand Jain Institute, Khandari campus.

Dr. A.K Pandey (Working President SLS) ICAR-NBFGR, Lucknow;
Prof. A.K. Panigrahi, Emeritus Professor, Department of Botany, Berhampur University, Berhampur (Odisha); Prof. Sunita Borde, Professor,

Dept. of Zoology, Dr. Babasaheb Ambedkar Marathwada University Aurangabad (M.S.), Dr. Ramesh Chandra, Dept. of Biological Sciences, M.G. Chitrakoot Gramodaya University, Chitrakoot (M.P.), Dr. Wahied Khawar Balwan, Doda (J\&K), Dr. Sunanda Panda, DAVV-Indore (M.P.), Dr. Praveen Ojha, KRPG College, Mathura (UP), Dr. Veendra Shukla and Dr.Sudep Tiwari, Lucknow (UP), Dr. Aruna Panday, Sihora (MP), were some of the main speakers of first day of Conference in Life Science section.

Valedictory Session was organized in the afternoon where Dr. Balraj Gupta, Ex. Director, ADRDE was the Chief Guest and Prof. Arvind Kumar Dixit, Vice Chancellor Dr. Bhimrao Ambedkar University, Agra presided over the function. Reports of all technical sessions were presented by the Convener. Best oral, poster and paper presentation awards to young and senior scientist (in each scientific session) were given by guests during valedictory function of International Conference. Organizing Secretary of the conference proposed the vote of thanks.

## Glimpses of SLS Annual Session



The Following Awards, Medals have been awarded during inaugural function of 5th Annual Session.

## Name of Awardee

Dr. A.K.Pandey
akpandey@gmail.com
Prof. A.K. Panigrahi drakpanigrahi@gmail.com

Dr. D. K. Gupta
guptaby@gmail.com
Dr. B.S.Chandel
chandelkanpur14@gmail.com
Prof. Sunita Borde
borde.sunita@gmail.com

Dr. Ram Babu Singh
rbsinghugc@gmail.com

Dr. Wahied Khawar Balwan wahid_kb@yahoo.co.in

Dr. Kush Shrivastava
kush_vet@yahoo.co.in
Dr.Ravinder Sharma
drravindersharmaskust@gmail.com

Principal Scientist NBFGR (ICAR), Lucknow (U.P.)

Emeritus Professor Berhampur University, Berhampur (Odisha)

Ex. Head, Dept. of Zoology Bareilly College Bareilly (U.P.)

Ex. Head, Dept. of Zoology DBS College Kanpur (U.P.)

Awarded As

## Life Time Achievement Award

Life Time Achievement Award

Life Time Achievement Award

Life Time Achievement Award

Professor, Dept. of Zoology
Dr. Babasaheb Ambedkar Marathwada University Aurangabad (M.S.)

Prof. G.B. Shinde
Award 2017

Prof. Baba Jadhav Senior Scientist Award 2017

Eminent Scientist Award in the field of Genetics
Eminent Scientist Award in the field of Animal Breeding.

Eminent Scientist Award in the field of Sericulture




Dr. D.K. Gupta, Bareilly (U.P.)


| NATIONAL JOURNAL |
| :--- |
| OF |
| LIFE SCIENCES |



WATER: Vital for Subsistence


IN
The earth seems to be quite distinct among the other known celestial bodies as it has one important component that is water which covers three-fourths of its surface. This water is absolutely essential for the survival of all the life on this planet. However, the truth is that it not given due credibility that it is worthy of unfortunately, while there is a lot of water on the earth, relatively little is actually available for drinking and other human uses. Of all the water on the earth, $97 \%$ of the water on earth is in the oceans therefore not readily available for daily human needs, the $3 \%$ of the water on earth is freshwater and out of that about $2.4 \%$ of the water is permanently frozen in glaciers and at the polar ice caps, about $1 / 2$ of the remaining $0.6 \%$ is groundwater and only about $1 / 100$ of $0.6 \%$ of the water on earth is in the rivers and lakes that is readily accessible and generally used. A well recognized fact is that a person can live about a month without food, but can live only about one week without water.

In the age when man has forgotten his origins and is blind even to his most essential needs for survival, water along with other resources has become the victim of his indifference. The importance of water in our everyday lives cannot be overlooked. Although it is ever-present, it is also ever-changing. Providing water in the desired quantity and quality and at the right time and place has been a constant endeavor of all civilizations since time immemorial. In the words of Mikhail Gorbachev, the President of Green Cross International, "Water, like religion and ideology, has the power to move millions of people. Since the very birth of human civilization, people have moved to settle close to it. People move when there is too little of it. People move when there is too much of it. People journey down it. People write, sing and dance about it. People fight over it. And all people, everywhere and every day, need it".

It is well documented that the worship of water occupied a prominent place in all the religions and early civilizations; water was regarded as a purifying, rejuvenating, as well as a soothsaying element, and was accordingly conceived of as inhabited by various beings. Water in Hinduism has a special place because it is believed to have spiritually cleansing powers. If we look into the past, our ancient history, religious texts and epics give a good insight into the water storage and conservation systems that prevailed in those days. The Indus Valley Civilization, that flourished along the banks of the river Indus and other parts of western and northern India about 5,000 years ago, had one of the most sophisticated urban water supply and sewage systems in the world. The fact that the people were well acquainted with hygiene can be seen from the covered drains running beneath the streets of the ruins at both Mohenjodaro and Harappa. The ancient forts in our state even had their own water harvesting and storage system in the form of rockcut cisterns, ponds, tanks and wells that are still in use today.

There is one thing that we have to be aware of that is every one of us can lend a hand and save the world to be deprived of this wonderful reserve. It is to be realized that every person can make a difference, just like every drop in the ocean makes a difference. In the words of Mother Teresa, "We ourselves feel that what we are doing is just a drop in the ocean, but the ocean would be less because of that missing drop." We all need to honor, comprehend and respect water as our most precious resource so that we might just be able to pacify the global water crisis, if not completely eradicate it. It is high time that we draw on concepts and methods dating back to the earliest days of humankind and save for our coming generations a secure future. The need of the hour is sustainable water management, especially in the context of meeting the demands of an increasing population.

I think we must initiate drawing up a compendium of traditional and modern approaches to protecting, rehabilitating and harvesting freshwater sources other than surface and groundwater reserves that are commonly considered the only reserves of freshwater available to the modern world. They include techniques for obtaining freshwater from saline water, wastewater and even fog, and draw on concepts and methods dating back to the earliest days of humankind and save for our comming generations a secure future.

## 24-25 March 2018

## National Conference in Chitrakoot



The Society of Life Sciences, Satna (M.P.) awarded Gold medal and certificate with three year subscription to Young research scholars to encourage them for their oral presentations. The oral presentation of Dr. Sudeep Tiwari, Post Doc (DST) CSIR-National Botanical Research Institute, Lucknow (U.P), Dr. Vatsala Jain, National Institute of Ayurveda, Jaipur (Rajasthan), Mr. Abhishek Pandey, Asst. Professor Kalinga University, Raipur (C.G.) and Dr. Dev Raj Kshetri, National Institute of Ayurveda, Jaipur (Rajasthan) were selected and awarded as best presentation by Chief guest Prof. Yogesh Chandra Dubey, Honorable Vice Chancellor JHRU, Chitrakoot and special guest Shri Abhay Mahajan and Shri P.C. Sharma during Valedictory function of conference.

On this occasion Dr. O.N. Tiwari, Senior Scientist, Centre for Conservation and Utilization of Blue green algae, Division of Microbiology, ICAR-Indian Agricultural Research Institute, New Delhi was honored by Life Time Achievement Award through Society of Life Sciences.

## 24-25 March 2018

## National Conference in Chitrakoot



Award Ceremony


## 16-18 November 2018

## International Conference in Gorakhpur



## International Conference on <br> "Advances in Biological and Environmental Research for Human Welfare" <br> Report of Sixth Annual Session

Sixth Annual Session of the Society of Life Sciences, Satna and International Conference on "Advances in Biological and Environmental Research for Human Welfare" (ICABERHW-2018) was organized at Department of Zoology, Deen Dayal Upadhyay Gorakhpur University, Gorakhpur during November 16-18, 2018.

In first day of the International Conference, Prof. Neelima Gupta, Vice Chancellor, C.S.J.M. University, Kanpur was the Chief Guest and Prof. K.C. Pandey, Ex VC. C.C.S. University, Meerut was the Guest of Honour during inaugural session of the conference. Prof. S.K. Dixit, Pro. Vice Chancellor, D.D.U. Gorakhpur University presided over the session. Prof. Hari Sharan, Dean, Faculty of Science, D.D.U. Gorakhpur University was also graciously present on this occasion. Prof. Ajay Singh, Convener \& Head, Department of Zoology, D.D.U. Gorakhpur University welcomed the guests and the delegates, while Prof. Veena Batra-Kushwaha, Organizing secretary of the conference, highlighted the genesis and focal themes of the conference. The session was addressed by all the dignitaries on the dais. Various awards of the Society of Life Sciences, Satna were announced by Dr. A.K. Pandey, Working President of the Society and handed over by the Chief Guest. In the end of the session Prof. R.K. Upadhyay, Joint Organizing Secretary of the conference proposed the vote of thanks.

Inaugural session was followed by invited lectures and oral presentations. Prof. Ravi Prakash, Prof. Nirupama Agrawal, Prof. R. Singh, Dr. A. S. Ninawe, Prof. R. L. Singh, Prof. G. C. Pandey and Dr. B.C. Bohra were the invited speakers. Dr. Ravindra Kumar, Dr. Rajeev K. Singh and Dr. S.K. Majhi delivered lead talks in the afternoon session.


## 16-18 November 2018

## International Conference in Gorakhpur

Invited lectures and Oral presentations were conducted in the forenoon and afternoon sessions. Dr. M. Sinha, Ex-Director, ICAR-CIFRI, Barrackpore; Prof. Dilip Kumar Jha, Agriculture \& Forestry University, Chitwan (Nepal); Dr. A.K Pandey, ICAR-NBFGR, Lucknow; Prof. Vineeta Shukla, Department of Zoology, M.D. University, Rohtak and Dr. M. Muruganandam, ICAR-IISWC, Dehradun were the main speakers. Poster session was held in the evening.

On the second day of International Conference, Invited lectures and oral presentations were conducted in the forenoon session. Prof. Ravi Prakash, Ex. Pro-Vice Chancellor, M.D. University, Rohtak; Prof. A.K Chaubey, Department of Zoology., C.C.S. University, Meerut; Prof. S.P. Rai, Department of Zoology, T.M. Bhagalpur University, Bhagalpur and Prof. Dinesh Yadav, Department of Biotechnology, D.D.U. Gorakhpur University were the main speakers of the second day.

On the third day Valedictory Session was organized in the afternoon where Prof. Ravi Prakash, Ex-Pro-Vice Chancellor, M.D. University, Rohtak was the Chief Guest. Prof. R.P. Singh and Prof. C.P.M. Tripathi, Ex-Head, Department of Zoology, D.D.U. Gorakhpur University were the Guests of honour respectively. Reports of all the eight technical sessions were presented and also Best paper and Poster awards were distributed by guests. The best oral presentation awards were given to Dr. Pratima Vishwakarma, DDU University Gorakhpur, Gorakhpur (U.P.) \& Dr. Nisha Rana, RGPG College, Meerut (U.P.). M.Sc. students were also awarded for the different competitions. Prof. R.K. Upadhyay, Joint Organizing Secretary of the conference proposed the vote of thanks.


## Glimpses of SLS Annual Session



## Name of Awardee

1. Prof. K. C. Pandey dr_neeru_1954@yahoo.co.in
2. Dr. Maniranjan Sinha sinha_mr@yahoo.com
3. Dr. Arun S. Ninawe ninawe@gmail.com
4. Prof. U. N. Dwivedi upendradwivedi@hotmail.com
5. Prof. Ram Lakhan Singh drrlsingh@rediffmail.com
6. Prof. (Mrs.) Nirupama Agrawal dr_neeru_1954@yahoo.co.in
7. Dr. Sudhansu Sekhar Mishra ss_mishra60@yahoo.co.uk
8. Prof. Ashok Kumar Chaubey akc.nema@gmail.com
9. Prof. Ajay Singh singhajay_gkp@rediffmail.com
10. Prof. Veena Batra Kushwaha veenabatrakushwaha@gmail.com
11. Dr. Akshaya Panigrahi apanigrahi2k@gmail.com
12. Dr. Sullip Kumar Majhi sullipkm@gmail.com
13. Dr. Muthiah Muruganandam mail2mmm20@gmail.com
14. Dr. Alaka Sahu drakpanigrahi@gmail.com
15. Dr. Radha Chaube chauberadha@rediffmail.com
16. Dr. Bindu Sharma bindu2502@rediffmail.com
17. Dr. Ajey Kumar Pathak pathakajey@gmail.com
18. Dr. Keshav Singh keshav26singh@rediffmail.com
19. Dr. Raj Naresh Gopal rajnareshgopal@gmail.com
20. Dr. Tanuja tanujapatnabotany@gmail.com.
21. Dr. Dushyant K. Chauhan drdushyant.zoology@gmail.com
22. Dr. Prasanti Mishra mishra.prasanti@gmail.com
23. Dr. Sugandh Suman sugandhsuman@gmail.com
24. Dr. Praveen Kumar Srivastava praveen2ku28@gmail.com
25. Dr. Vibha Kumari vibhakraj@gmail.com
26. Ms. Mitali Dhiman m.dhiman@hotmail.com
27. Prof. Ajay Kumar Sharma draksharma57@gmail.com
28. Prof. Madhu Tripathi drmtripathi@gmail.com
29. Prof. Vineeta Shukla prof.vineetashukla@gmail.com
30. Prof. Bibha Chetia Borah drbchetia@yahoo.com
31. Dr. Bikash Chandra Mohapatra bcmohapatra65@yahoo.co.in

## Address

Ex-Vice Chancellor,
C.C.S. University, Meerut (U.P.)

Ex-Director,
ICAR - CIFRI, Barrackpore (W.B.)
Senior Advisor,
Department of Biotechnology, New Delhi
Pro-Vice Chancellor
University of Lucknow, Lucknow (U.P.)
Pro-Vice Chancellor,
Dr. R.M.L. Avadh University, Faizabad (U.P.)
Ex-Dean Faculty of Science,
University of Lucknow, Lucknow (U.P.)
Principal Scientist,
ICAR - Central Institute of Freshwater Aquaculture
Bhubaneswar (Odisha)
Professor \& Head,
Department of Zoology, C.C.S University, Meerut (U.P.)
Professor \& Head,
Dept. of Zoology, DDU Gorakhpur University, Gorakhpur (U.P.)
Professor, Department of Zoology,
D.D.U. Gorakhpur University, Gorakhpur (U.P.)

Principal Scientist,
ICAR - Central Institute of Brackishwater Aquaculture, Chennai (T.N.)
Principal Scientist,
ICAR - N.B.F.G.R, Lucknow (U.P.)
Senior Scientist,
ICAR - Indian Institute of Soil \& Water Conservation, Dehradun (U.K.)
Head, Department of Botany,
R.N.College, Dura Berhampur (Odisha)

Associate Professor,
Dept. of Zoology, BHU, Varanasi (U.P.)
Associate Professor,
Department of Zoology, C.C.S. University, Meerut (U.P.) Senior Scientist,
ICAR - National Bureau of Fish Genetic Resources, Lucknow (U.P.)
Associate Professor,
Dept. of Zoology, D.D.U. Gorakhpur University, Gorakhpur Deputy Director,
National Co-operative Development Corporation, New Delhi
Associate Prof. \& Head,
Department of Botany, T.P.S. College, Patna (Bihar)
Assistant Professor,
Department of Zoology, C.C.S. University, Meerut (U.P.)
Assistant Professor,
Dept. of Zoology, G.D.M. University, Sambalpur (Odisha)
Department of Agricultural, Biotechnology \& Molecular Biology
R.P.C.A. University, Samastipur (Bihar)

DST Young Scientist SERB, Department of Microbiology,
Dr. Shakuntala Mishra Nat. Rehabilitation University Lucknow Consultant (Fisheries),
DAHDF, Krishi Bhawan, New Delhi
Department of Biological Sciences,
M.G.C.G. University, Chitrakoot (M.P.)

Ex-Head, Department of Zoology,
University of Lucknow, Lucknow (U.P.)
Ex-Head, Department of Zoology,
University of Lucknow, Lucknow (U.P.)
Professor \& Head, Dept. of Zoology,
M.D. University, Rohtak (Haryana)

Principal Scientist \& Officer-in-Charge,
Assam Agricultural University, Jorhat (Assam)
Principal Scientist ICAR
Central Institute of Freshwater Aquaculture, Bhubaneswar

Awarded as
Life Time
Achievement Award
Life Time
Achievement Award
Life Time
Achievement Award
Life Time
Achievement Award
Life Time
Achievement Award
Life Time
Achievement Award
Best Scientist
Award
Prof. G. B. Shinde
Award-2018
Prof. Baba Jadhav
Award-2018
Best Scientist
Award
Best Scientist
Award
Best Scientist
Award
Best Scientist
Award
Best Scientist
Award
Best Scientist
Award
Best Scientist
Award
Recognition
Award
Recognition
Award
Recognition
Award
Recognition
Award
Recognition
Award
Recognition
Award
Young Scientist
Award
Young Scientist
Award
Young Scientist
Award
Young Scientist
Award
Hon. Fellowship
Award
Hon. Fellowship
Award
Hon. Fellowship
Award
Hon. Fellowship
Award
Hon. Fellowship
Award


# SOCIETY OF LIFE SCIENCES <br> www.slsjournals.com <br> www.connectjournals.com 

| Volume 15 | Number 01 | June 2018 |
| :--- | :---: | :---: |
|  | CONTIDNTS |  |

## PLANT SCIENCE

1. Sampada K. Shejul and R. J. Sawant

Diversity of Cosmarium from Sukhana dam, Aurangabad (M.S.).
2. Deepti Chauhan, A. K. Shrivastava and Suneeta Patra

Comparative phytochemical analysis of the aqueous leaf extract of some important leafy vegetables from Durg (Chhattisgarh).
3. Rohitash, M. C. Mali and Gajanand Modi

Studies on fresh water Bacillariophycean diversity of Gajner lake, Bikaner, Rajasthan (India).
4. Sabita Barik and Alaka Sahu

Impact of environmental lead on plants present on the road sides of NH-157 at Kalinga ghat section, Kandhamal district, Odisha.
5. Arijit Sinhababu and Arpita Banerjee

Ethno-medicinal plants in Bankura district with special reference to skin diseases.
6. Mahima Dixit and A. Alia

Analysis of water quality and diversity of Chlorophyceae in upper lake, Bhopal.
7. Brajesh Kumar Singh and A. K. Jha

Growth performance of tree species after sixteen years of plantations in monoculture and mixed culture on coal mine spoil.
8. Ajai Kumar Singh, S. N. Dubey and R. K. Sahu

Shrubs of Varanasi city Clerodendrum L. (Verbenaceae) with a new record to Uttar Pradesh.
9. Sunita Arya, B. R. Siddharth, Sunit Kumar Saxena and Gyaneshwar Patel Isolation of phenol degrading bacteria from industrial waste.
10. Arpita Banerjee and Arijit Sinhababu

Documentation of some plants of Asteraceae used as herbal healer in Bankura district, West Bengal.
11. P. R. Pandey, A. N. Gautam and S. K. Rajak

Marketable surplus and post harvest losses of wheat crop in Jabalpur district of M.P.

## ANIMAL SCIENCE

12. A.D. Lakhe

A new species of cestode parasites Stilesia shindei, from Mammalian animal Ovis bharal.
13. Sunita Arya

Effect of neem excel on the biology of Papilio demoleus L. Lepidoptera : Papilionoidae.
14. A. M. Budrukkar and P. V. Patil

Biochemical studies of cestode Valipora parasite of Columba livia from Beed district.
15. Ulka Yadav and Ashok Bagdi

Nutritional effect of some food supplements (mixture of Spirulina and Yeast) on rearing performance of Eri silkworm in respect of some cocoon parameters.
16. K.M. Fartade, A. L. Deshmukh and S. S. Narwade

Importance of river islands for colonial ground nesting water birds - A case study of Ujani dam backwater of Bhima river, State Maharashtra.
17. Tapas Kumar Priyadarsan and A. K. Panigrahi

Residual mercury in solid waste, contaminated fishes collected from Rushikulya estuary and impact of solid waste extract on a fresh water fish under laboratory conditions.
18. Mohammad Salim, Mohammad Shahid Masroor and Shagufta Parween 85-88 Studies on sexual cannibalism with special reference to spiders.
19. Manasi Kumari Panda, P. K. Dixit and A. K. Panigrahi

Impact of leached chemicals of red mud waste on respiration rate of a fresh water fish, Oreochromis mossambicus, Peters and its ecological implications.
20. P. V. Patil and A. M. Budrukkar
Ichthyofauna of Mahasangvi reservoir Tq. Patoda dist. Beed (M.S.).
21. Prashant V. Patil

Prashant V. Patil
Zooplankton analysis for fish cultural aspect of Vanjarwadi dam dist. Beed (M.S.).
22. AjazA. Wani, Simriti Agarwal and ImtiyazAhmed
King cobra reported from Gullar nallah (Marmat) of district Doda (J\&K).
23. A. Padmavati, P. K. Dixit and A. K. Panigrahi

Impact of paper mill effluent on respiration rate of a fresh water fish, Oreochromis mossambicus, Peters and its ecological implications.
24. Meenakshi Mayanger Marmath

Dietary habits, a major determining role in early onset of post menopausal osteoporosis.
25. Meenakshi Mayanger Marmath

Perception and awareness about vector borne diseases namely malaria and dengue in Kota.
26. Prashant V. Patil

Seasonal fluctuations in some physico-chemical characteristics of Vanjarwadi dam dist. Beed (M.S.).

(An International Biannual Journal of Life Sciences)

## Published by :

## SOCIETY OF LIFE SCIENCES www.slsjournals.com

| Volume 15 | Number 02 | December 2018 |
| :--- | :---: | :---: |
|  | CONTIDNTS |  |
| ANIMAL SCIENCE |  |  |

27. Shamim Akhter Choudhary

Effect of temperature on development and longevity of Mutant strain (Curled) of Drosophila
melanogaster.
Anshu Jain, Amrita Khatri and Anis Siddiqui
Prevalence of intestinal parasites of human population of Mhow Tahsil, Indore (M.P.).
29. Sushma Anand and Md. Noor Alam
30. Nisha Kumar
31. Minakshi Kumari and Vijay Kumar
32. Nidhi Tripathi, Ramesh Chandra and Jamil Ahamad
33. K. Rajagopal Reddy, G.Amaravathi and R. Mallikarjuna Reddy

Livestock, food security and climate change.
34. Umesh Kumar Sharma and Vijay Kumar

Eco-physiological effects of cadmium chloride on a fresh water fish, Oreochromis mossambicus,
Peters under laboratory conditions.
Suman Devi, Jagjeet Singh, Jyoti, Vijay Kumar and Vinay Malik Monocrotophos induced histopathological changes in intestine of mice.
37. S. R. Sable, V. K. Bansode, S. V. Nikam and S. B. Ambhore
38. Vineet Kumar and Vijay Kumar Studies on some aspects of bioenergetics in
Dry weight gain Vs. oxygen consumption.
39. S. B. Pawar, G.P. Jadhav, D. H. Pawar and Ishrat Parvee
40. S.A. Patiland A. T. Kalse and D. R. Patil

Icthyofaunal diversity in Bori river of Dhule district (M.S.).
41. Azim Husaain and ParwezAhmad

Studies on some aspects of proximate composition in Indian major carp, Labeo rohita (Ham.)
42. S.R. Sable, V. K. Bansode, S. V.Nikam and T.A. Sontakke

Study of Gregarina confusa from T.castaneum, Parbhani dist. Marathwada region (M.S.),
H. K. Jadhav and S. B. Patil
Fish-faunal diversity in Bori river at Sangavi (Akkalkot) region, Maharashtra, India
44. Asheesh Kumar and Sachin Bhat

Physico-chemical investigations of ground water quality in Satna district of Madhya Pradesh.
45. Anju Tiwari and Shubhada Rahalkar

Ecological studies of gram pod borer Helicoverpa armigera (Hubner).
H.K. Jadhav
Evaluation of ground water quality of Jalkot village district Osmanabad (M.S.) India.

Evaluation of ground water quality of Jalkot village distric
48. Usha Rani Brahma and Subasini Pattnaik

Comparative study of vitamin C \& E on gland tissue somatic index of multivoltine silkworm, Bombyx mori, L.
49. Rajendra Singh Kushram and Shivesh Pratap Singh - 195-198 Fish diversity of Wainganga river at Balaghat (M.P.).
Archana Kumari and Sangeeta Avasthi
A comparative study on the susceptibility of some gram varieties to pulse beetle Callosobruchus A comparative s
maculatus Fab.
51. Parveen Quresh

Cholesterol alternation in liver and alimentary canal of fresh water fish, Clarias batrachus, after exposure to carbaryl pesticides.

## PLANT SCIENCE

52. Nibedita Padhy and A. K. Panigrahi

Nibedita Padhy andA.K.P Panigrahi
Impact of lead on the toxicity \& growth of a blue green alga and its ecological implications.
53. Mohammad Shahid Masroor, Shagufta Parween and Mohammad Salim Studies on microflora of probiotic good foods.
4. Rajendra Yonzone and Adani Lokho application of integrated approaches and Bipolaris oryzae inoculation.
56. Rajendra Yonzone and Adani Lokho

Taxonomic notes with medicinal uses of two taxa of Peristylus BL. (Orchidaceae).
S. V.Arak and R. J. Sawant
Fungal leaf spot diseases of some ornamental plants from Aurangabad district.
58. Veerendra Rajak, Vandana Pathak, Pushpendra Shukla and Manoj Tripathi
59. Mohammad Shahid Masroor, Shagufta Parween and Mohammad Salim

## NATIONAL JOURNAL OF LIFE SCIENCES

(Abbreviation : Natl. J. Life. Sci.)
Published by : SOCIETY OF LIFE SCIENCES

| Volume 15 | Number 01 | June 2018 |
| :--- | :---: | ---: |
|  | CONTDNTS |  |
| 01. Praveen K. |  | $01-07$ |

Taxonomic studies of Leafhoppers from Maharashtra, India.
02. Ulka Yadav and Neeta Jadhav

Effect of different photoperiods on the food consumption, food utilization and approximate
digestibility of Eri silk worm (Philosamia ricini) L. (Saturniidae: Lepidoptera).
03. Ravi Rahul Singh, Nayni Saxena and Umapati Sahay

On the transference of a Caryophyllaeid cestode Pliovitellaria osteobramensis Gupta and
Sinha, 1984 ; to the genus Lobulovarium Oros et all, 2012 (Lytocestidae) is unwarranted - A critical review.
04. A. B.Pardeshi and M. G. Gadewad Bioefficacy of Achyranthes aspera against red cotton bug Dysdercus cingulatus Fab. (Hemiptera
Pyrrocoidae) yrrhocoridae).
05. Hamida Khanum, Sharmin Musa and Rezwana Ahmed
06. Pradeep Kumar Behera and A. K. Panigrahi

Toxicological impacts of cadmium on a fresh water fish Oreochromis mossambicus, Peters and its
07. Tapas Kumar Priyadarsan andA. K. Panigrahi

Toxicological effects of solid waste extract containing mercury on the tissue respiration of a fresh
rexperimental conditions.
08. P. K. Dixit,A. Padmavati and A. K. Panigrahi

Impact of paper mill effluent on a fresh water fish, Oreochromis mossambicus, Peters and its eco
Sonia Varshney,Astha Gupta and Rashmi Arnold Identification of the most effective seed treatment based option for the management of root-kno nematode, Meloidogyne incognita race 3 on mungbean.
10. N.S. Solanke Study of fungal components from vegetable market.
11. B.S.Salve and P. B. Sirsat

Ichthyofauna of Hingoli district, Maharashtra (India)
12. P.B. Sirsat and B.S.S.Salve
Variations in physico-chemical parameters of Kankaleswar water body district Beed (M.S.).
13. Vinod Kumari

An assessment of nutritional value of Balanites aegyptiaca (Linn.) Delile - A multipurpose tree of Rajasthan desert.
14. Jayasree Thilak

Jayasree Thilak
Studies of heavy metal cycling pattern in Gandhi Sagar ecosystem, Mandsour district, Madhy
Pradesh with reference to $\mathrm{Hg}, \mathrm{Pb}$ and Cd .
15. Rashmi Singh and Manoj Tripathi

Phytochemical analysis and physicochemical studies of Jamum seeds Syzvysium cumini (L.) Skeels.

## Plant Science

16. A.Uma Mahesh andA.K. Panigrahi a
17. Sabita Barik and Alaka Sahu
18. Awadhesh Kumar Shrivastava, Suneeta Patra,Anita Mahiswar and Pranita Bansode
19. Mohammad Rizwan Bhina, Waseem Khan, Arvind Kumar Tripathi, Mohammad Shahid An overview of bioconcrete and biogrouts with microbiologically induced calcite precipitation (MICP).
20. Poonam Mangaraj, Sunil K. Bishoyie andA. K. Panigrahi Reclamation of effluent of a sugar industry by blue-green algae.
21. N.H.H. Verma, A. Leelaveni andA. K. Panigrahi cyanobacterium.
22. Swarnalata Patnaik, A. Leelaveni and A. K. Panigrahi biological studies of a crop plant.
23. Tanuja, Satyamvada Swayamprabha, Anjali Singh, J. K. Singh and Swati Molecular evolutionary genetic analysis of endosulfan degrading Aspergilus oryzae isolated from
24. Nibedita Padhy and A. K. Panigrahi

Impact of cadmium on the toxicity and growth of a blue green alga under experimental conditions.
25. Swarnalata Patnaik,A.Leelaveni and A. K. Panigrahi Salmonella typhi causing gallbladder cancer in human.

Animal Science
27. Ravi Solunke, Swati Phadke and Sunita Borde On a new species of the genu
Nilanga, dist. Lature (M.S.).
28. Manasi Kumari Panda, P. K. Dixit and A. K. Panigrahi Toxicological effects of leachate of red mud pond of Nalco on the tissue slice respiration rate of
different organs of a fresh water fish, Oreochromis mossambicus, Peters different organs of a fresh water fish, Oreochromis mossambicus, Peters under laboratory
conditions.
29. Anju Tiwari and Shubhada Rahalkar

Studies on parasitism of gram pod borer (Helicoverpa armigera) by Campoletis chloridae.
30. B. K. Gupta and Bhupendra Pal Jatav
Limnological status of Juggar dam Hindaun city of district Karauli (Rajasthan)
31. D. N. Pandit, S. Singh, U. S. Sinha and R. R. Singh
32. Evaluation of changes in bone mineral density with age in post menopausal women.


## Glimpses of

$105^{\text {th }}$ Indian Science Congress


Proceeding Books released during 105th Indian Science Congress at Manipur Central University, Canchipur, Imphal held on 16-20 March, 2018. by Dr. Ashok Kumar Saxena, Past General President ISCA; Prof. B.B. Kaliwal, President Section of Animal, Veterinary and Fishery Sciences, Dr. Vijay Laxmi Saxena Past, General Secretary of ISCA, Prof B.N. Pandey President,

Zoological Society of India, Dr. M.K. Jyoti Jammu (J\&K) and Prof. B.D. Joshi Haridwar (U.K.)



# IMe Scionce Dulletin 

 8
## National Jompnal och Lice Sciences

## Editorial Board

Chief Editor (Hony.) Dr. Shivesh Pratap Singh

Secretary
BER - Chapter, NASI
Govt. P.G. College, Satna (M.P.)

Executive Editors
Prof. R. M. Mishra (Nils) Ex. Vice Chancellor,
APS. University. Rewa (M.P.)
Dr. Rashmi Singh (LSB)
Chairman
BOS, A.P.S.U., Rewa (M.P.) Govt. P.G. College, Satna (M.P.)

Managing Editors
Dr. K.K. Dube (NIls)
Retd. Professor,
Govt: Science College Jabalpur

Dr. C.K. Pathak (LSB)
Retd. Principal, Govt. College. Nagod, Satna (M.P.)

Dr. Pragya Khanna (SLS Newsletter)
Associate Professor, Govt. College For Women, Jammu (J\&K)

Business Manager
Akhilesh Gupta
Richa Offset Printers, Satna
e-Publishers
Connect Journals
Gaziabad (U.P.)


Published by - Akhilesh Gupta, Business Manager for Society of Life Sciences, Richa Offset Printers, Satna for free circulation to members of Society of Life Sciences.

Designed By - Prakash Tripathi +919109082003

