INTERNATIONAL CONFERENCE ON BREAKTHROUGH IN TOXICOLOGY AND HUMAN HEALTH
and
39th ANNUAL MEETING OF SOCIETY OF TOXICOLOGY

December 27th - 29th, 2019

Hosted by:
Jiwaji University
Prof. Sangeeta Shukla, Vice Chancellor
Gwalior, 474011 (M.P.) India
Mob. No. +91 9826038184

XXXIX Annual Meeting of Society of Toxicology (STOX), India

Jiwaji University, Gwalior,
Host Organization

NAAC Accredited ‘A’ Grade University
Welcome to Gwalior, Madhya Pradesh, India

We are pleased to invite you to 39th Annual Meeting of the Society of Toxicology, India

<table>
<thead>
<tr>
<th>STOX Executive Committee</th>
<th>Chief Patron</th>
<th>Patrons</th>
<th>Conveners</th>
</tr>
</thead>
</table>
| President **Prof. Alok Dhawan**
IITR, Lucknow | **Prof. Sangeeta Shukla**
Vice Chancellor
Jiwaji University, Gwalior | **Prof. S.V.S Rana**
CCU, Meerut | **Prof. Nalini Srivastava**
Jiwaji University, Gwalior |
| Vice President **Prof. Sheikh Raisuddin**
Jamia Hamdard, Delhi | **Prof. Alok Dhawan**
IITR, Lucknow | **Prof. P.V. Mohanan**
SCTIMST, Thiruvananthapuram |
| Secretary General **Dr. P.V. Mohanan**
SCTIMST, Thiruvananthapuram | **Prof. S. Raisuddin**
Jamia Hamdard, Delhi | **Organizing Chair**
**Prof. Y.K. Jaiswal**
Jiwaji University, Gwalior |
| Joint Secretary **Dr. Swatantra Singh**
NDVSU, Rewa | **Dr. D.K. Dubey**
Director, DRDE, Gwalior | **Treasurer**
**Dr. Sadhana Shrivastava**
Jiwaji University, Gwalior |
### About Gwalior

Gwalior is best known for its imposing hilltop fort, which was famously described as 'the pearl amongst fortresses in India'. Historically, the city has been the cradle of a number of dynasties that ruled it over the years. Their influence is clearly seen in the many regal structures that dominate the cityscape. In a sense, Gwalior continues to retain a medieval majesty. Legendary musicians like Tansen and Baiju Bawara belonged to Gwalior.

### Places of interest

Gwalior Fort, Jai Vilas Palace, Sarod Ghar, Sun Temple, Man Singh Palace, Tansen Tomb, Gopachal, Tigra Dam, Mitawali–Padawli (Morena), Shivpuri, Orchha and Agra.

### Organized by

School of Studies in Zoology and Biochemistry, Jiwaji University (NAAC Accredited 'A' Grade), Gwalior, Madhya Pradesh, India

E mail: stoxju@gmail.com, Web site: http://www.jiwaji.edu.

Mob. No. +91-9425335703, +91-9407208314, +91-9425756284

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<table>
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<tr>
<th>ADVISORY COMMITTEE</th>
<th>SCIENTIFIC COMMITTEE</th>
<th>THEMES OF THE CONFERENCE</th>
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<tbody>
<tr>
<td>Prof. R.J. Rao (Vice Chancellor, BU Bhopal)</td>
<td>Prof. Avinash Tiwari, JU Gwalior</td>
<td>Trace Element in Health and Diseases</td>
</tr>
<tr>
<td>Prof. M. Abdullah (Sweden)</td>
<td>Prof. P.K. Tiwari, JU Gwalior</td>
<td>Reproductive Toxicology</td>
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<tr>
<td>Prof. Vincent S. Gallicchio (USA)</td>
<td>Prof. D.D. Agarwal, JU Gwalior</td>
<td>Free Radicals and Oxidative Stress</td>
</tr>
<tr>
<td>Prof. Anatoly V. Skalny (Russia)</td>
<td>Prof. G.B.K.S. Prasad, JU Gwalior</td>
<td>Neurotoxicology</td>
</tr>
<tr>
<td>Prof. Chengliang Gong (China)</td>
<td>Prof. Suman Jain, JU Gwalior</td>
<td>Biomedical and Immunotoxicology</td>
</tr>
<tr>
<td>Prof. V.R. Pasupuleti (Malaysia)</td>
<td>Prof. Mukul Telang, JU Gwalior</td>
<td>Environmental Toxicology</td>
</tr>
<tr>
<td>Dr. Y.K. Gupta, New Delhi</td>
<td>Prof M.K. Gupta, JU Gwalior</td>
<td>Aquatic Toxicology</td>
</tr>
<tr>
<td>Prof. M.S. Parihar (Chairman)</td>
<td>Dr. D.T. Selvam, DRDE Gwalior</td>
<td>Food and Nutritional Toxicology</td>
</tr>
<tr>
<td>MP Pvt. Univ. Regulatory Commission</td>
<td>Dr. Rahul Bhattacharya, DRDE Gwalior</td>
<td>Pharmacotoxicology</td>
</tr>
<tr>
<td>Prof. A.K. Saxena (Lucknow)</td>
<td>Dr. A.S.B. Bhaskar, DRDE Gwalior</td>
<td>Nanotoxicology</td>
</tr>
<tr>
<td>Prof. C.M. Chaturvedi (BHU)</td>
<td>Dr. R.K. Dhakad, DRDE Gwalior</td>
<td>Genotoxicology</td>
</tr>
<tr>
<td>Prof. Sarwat Sultana (Jamia Hamdard)</td>
<td></td>
<td>Occupational Toxicology</td>
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<tr>
<td>Dr. Devendra Parmar IITR, Lucknow</td>
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<tr>
<td>Dr. A.B. Pant, IITR, Lucknow</td>
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**SCIENTIFIC COMMITTEE**

- Prof. Avinash Tiwari, JU Gwalior
- Prof. P.K. Tiwari, JU Gwalior
- Prof. D.D. Agarwal, JU Gwalior
- Prof. G.B.K.S. Prasad, JU Gwalior
- Prof. Suman Jain, JU Gwalior
- Prof. Mukul Telang, JU Gwalior
- Prof M.K. Gupta, JU Gwalior
- Dr. D.T. Selvam, DRDE Gwalior
- Dr. Rahul Bhattacharya, DRDE Gwalior
- Dr. A.S.B. Bhaskar, DRDE Gwalior
- Dr. R.K. Dhakad, DRDE Gwalior

**THEMES OF THE CONFERENCE**

- Trace Element in Health and Diseases
- Reproductive Toxicology
- Free Radicals and Oxidative Stress
- Neurotoxicology
- Biomedical and Immunotoxicology
- Environmental Toxicology
- Aquatic Toxicology
- Food and Nutritional Toxicology
- Pharmacotoxicology
- Nanotoxicology
- Genotoxicology
- Occupational Toxicology
About Jiwaji University
Jiwaji University, Gwalior came into existence on May 23rd, 1964, through M.P. Govt. Ordinance No. 15 of 1963. Late Dr. Sarvapalli Radhakrishnan, the then President of India, laid the foundation stone on 11th December 1964 at a sprawling campus of over 225 acres of land at Naulakhia Parade Ground. This was a generous contribution of Respectable Scindia family, in particular Kailashwasi Maharaja Shrimant Jiwaji Rao Scindia and Respectable late Rajmata Shrimati Vijayaraje Scindia. The institution was christened after the name of Kailashwasi Shrimant Jiwaji Rao Scindia as a standing memorial to his persona. The motto of the university is embedded in its logo “Vidyaya Prapyate Tejah”

Vision
Our ability to enhance the well-being of the people by educating, creating knowledge and serving the society by putting the knowledge to work with excellence. To advance the professional competence of youth and inculcate in them the urge to recognize challenges as opportunities.

Mission
Jiwaji University aims to lead the nation in research and education. We seek to do this in ways which benefit society on a national and a global scale. University strives to create knowledge, to open the minds of students to that knowledge, and to enable students to take best advantage of their educational opportunities. Jiwaji University embodies the spirit of excellence in teaching and research. Value creation through economic, social, and environmental development targeted to an increasingly global and multicultural world.

About International Conference
International Conference on Breakthrough in Toxicology and Human Health and 39th Annual Meeting of Society of Toxicology (STOX), India will be a big summit for toxicologists, pharmacologists, pathologists, environmentalists, pharmacists, chemists, occupational heath scientists, academia, industry, government and regulatory industries in India and abroad. The participants will have opportunity to present their recent research findings and share their scientific information with renowned scientists of national and international repute in the field of toxicology.

About STOX
The Society of Toxicology, India was founded in the year 1979 at CSIR-Indian Institute of Toxicology Research, the erstwhile Industrial Toxicology Research Centre, Lucknow to facilitate exchange of scientific ideas, information and knowledge among scientists, practitioners, professionals and policy makers. The Society is one of the founder members of the International Union of Toxicology (IUTOX).
Guidelines

Call for Abstracts
Abstracts for presentation are invited from October 20th, 2019 to November 30th, 2019, and the same should be sent to stoxju@gmail.com

Instructions
- The work should be original and must not be published or presented at any other meeting.
- Please mention the mode of presentation (oral/poster) on top of abstract.
- Abstract should be in Times New Roman with font size 12 in MS Word.
- Authors: Indicate corresponding author with asterisk (*)
- Affiliation: Different affiliations should be numbered.
- Email: Email Id of corresponding author must be mentioned.
- Introduction: Aim of the study.
- Methods: Design of the study, the subjects, methods, and statistical analysis.
- Results: Outcome of the study and statistical significance.
- Discussion & Conclusion: Significance of the results.
- Keywords: 3 to 5
- Registration is mandatory for the presenting author for the presentation of the paper.
- Authors selected for oral and poster presentation will be informed. Notification and instructions will be sent to the author’s e-mail address provided at the time of abstract submission.
- All submissions shall go through a peer review process by a pre-selected abstract review committee.
- All abstracts will be screened for plagiarism using appropriate software.
- Poster presentation: Size of the poster should not exceed 120 cm (height) and 90 cm (width). Content of the poster should be readable from 1.5 m distance.
Additional Information

INTERNATIONAL CONFERENCE ON BREAKTHROUGH IN TOXICOLOGY AND HUMAN HEALTH

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39th ANNUAL MEETING OF SOCIETY OF TOXICOLOGY (STOX), India - December 27 - 29, 2019

Registration kit Includes: 3 Breakfasts, 3 Lunch and 2 Dinner Coupon

<table>
<thead>
<tr>
<th>CATEGORY</th>
<th>EARLY</th>
<th>LATE</th>
<th>SPOT</th>
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<tbody>
<tr>
<td>STOX Member</td>
<td>Rs. 4000</td>
<td>Rs. 5000</td>
<td>Rs. 5500</td>
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<tr>
<td>Non-STOX Member</td>
<td>Rs. 4500</td>
<td>Rs. 5500</td>
<td>Rs. 6000</td>
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<tr>
<td>Student/Research Scholar</td>
<td>Rs. 2500</td>
<td>Rs. 3500</td>
<td>Rs. 4000</td>
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<tr>
<td>Indian Delegate from Industry</td>
<td>Rs. 8000</td>
<td>Rs. 9000</td>
<td>Rs. 15000</td>
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<tr>
<td>Foreign Delegate (USD)</td>
<td>300 USD</td>
<td>400 USD</td>
<td>500 USD</td>
</tr>
<tr>
<td>Associate Delegate</td>
<td>Rs. 2500</td>
<td>Rs. 3500</td>
<td>Rs. 4000</td>
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Payment must be made through Draft/NEFT/RTGS only in favor of “STOX2019” Payable at Central Bank of India, Jiwaji University Branch, Gwalior, A/c No: 3779677779, IFSC Code: CBIN0283189, MICR Code: 474016012.

After payment, please send the transaction detail to stoxju@gmail.com

Important Dates

International Conference 27 to 29th December 2019
Registration dates 20th October to 30th November 2019
Abstract submission deadline 30th November 2019

Email: stoxju@gmail.com, Web site: www.jiwaji.edu
Mob. No.: +91-9425335703, +91-9407208314, +91-9425756284
Awards Detail: STOX 2019
The following are regular awards of Society of Toxicology offered on annual basis. Usually, awards are presented during the Annual Conference of STOX.

<table>
<thead>
<tr>
<th>No</th>
<th>Awards</th>
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<tbody>
<tr>
<td>1</td>
<td><strong>Distinguished Scientist Life Time Achievement Award (one)</strong></td>
</tr>
<tr>
<td></td>
<td>Eminent scientists (age above 55 years) with conspicuous service to the cause of toxicology or related areas. The selection will be made on the basis of nomination. The nomination(s) containing brief bio data, supportive evidence of age should be submitted directly to the President or Secretary General, STOX, India (<a href="mailto:mohananpv10@gmail.com">mohananpv10@gmail.com</a>) on or before 15th November 2019. The award consists of certificate and shawl.</td>
</tr>
<tr>
<td>2</td>
<td><strong>Fellow of Society of Toxicology [FST]</strong></td>
</tr>
<tr>
<td></td>
<td>Scientists contributing to the field of Toxicology and related areas, possessing doctorate degree in biology/ chemistry/ biotechnology/ environmental sciences or post-graduate degree (MVSc / MD) in veterinary / medical sciences having at least 10 years experience and proven contributions in toxicology shall be eligible for the award. The application containing brief bio-data, supportive evidence of age, should be submitted directly to the President/Secretary General, STOX, India (<a href="mailto:mohananpv10@gmail.com">mohananpv10@gmail.com</a>) on or before 15th November 2019. The award consists of a certificate.</td>
</tr>
<tr>
<td>3</td>
<td><strong>STOX Gold Medal for the Young Scientist (One) (oral presentation)</strong></td>
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<tr>
<td></td>
<td>The eligibility for the award shall be any young researcher below the age of 35 years as on 30th June of the year. Presenting author should be a life member of the Society and the research work presented should have been carried out in India. The candidate(s) should submit application along with brief bio-data, supportive evidence of age and full text of their accepted abstract (full paper) directly to the Organizing Secretary (<a href="mailto:stoxju@gmail.com">stoxju@gmail.com</a>) before the last date of abstract submission (November 30, 2019). The award consists of certificate and Gold Plated Medal. The decision of the Award Committee constituted by the Society shall be final, binding and without scope of any representation.</td>
</tr>
<tr>
<td>4</td>
<td><strong>STOX Gold Medal for the Best Poster Presentation (One)</strong></td>
</tr>
<tr>
<td></td>
<td>The eligibility for the award shall be any young researcher below the age of 35 years as on 30th June of the year. Presenting author should be a life member of the Society and the research work presented should have been carried out in India. The candidate(s) should submit application along with brief bio-data, supportive evidence of age and full text of their accepted abstract (full paper) directly to the Organizing Secretary (<a href="mailto:stoxju@gmail.com">stoxju@gmail.com</a>) before the last date of abstract submission (November 30, 2019). The award consists of certificate.</td>
</tr>
<tr>
<td>5</td>
<td><strong>JU Young Scientist Award for oral presentation (One)</strong></td>
</tr>
<tr>
<td></td>
<td>The eligibility for the award shall be any young researcher below the age of 35 years as on 30th June of the year. Presenting author should be a life member of the Society and the research work presented should have been carried out in India. The candidate(s) should submit application along with brief bio-data, supportive evidence of age and full text of their accepted abstract (full paper) directly to the Organizing Secretary (<a href="mailto:stoxju@gmail.com">stoxju@gmail.com</a>) before the last date of abstract submission (November 30, 2019). The award consists of certificate and Gold Plated Medal. The decision of the Award Committee constituted by the Society shall be final, binding and without scope of any representation.</td>
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<tr>
<td>6</td>
<td><strong>JU Best Poster Award (One)</strong></td>
</tr>
<tr>
<td></td>
<td>The eligibility for the award shall be any young researcher below the age of 35 years as on 30th June of the year. Presenting author should be a life member of the Society and the research work presented should have been carried out in India. The candidate(s) should submit application along with brief bio-data, supportive evidence of age and full text of their accepted abstract (full paper) directly to the Organizing Secretary (<a href="mailto:stoxju@gmail.com">stoxju@gmail.com</a>) before the last date of abstract submission (November 30, 2019). The award consists of a certificate.</td>
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</tbody>
</table>
Who are the beneficiaries of STOX 2019?
Aim of STOX 2019 is to bring together researchers, health care professionals and industrial personnel on same platform for sharing of knowledge. Young and budding researchers can learn about current and unexplored topic of toxicology.

What are the major topics of the conference?
Trace element in health and diseases, reproductive toxicology, free radicals and oxidative stress, neurotoxicology, biomedical and immunotoxicology, environmental toxicology, food and nutritional toxicology, pharmacotoxicology, nanotoxicology, genotoxicity, occupational toxicology, aquatic toxicology.

Toxicology and its impact on Human Health
With the growth of urbanisation and modernisation humans are continuously exposed to venomous effects of city life. This scenario is common throughout globe. It is of utmost importance to break free from the shackles of unhealthy living. Modern yet a healthy life style is the need of hour. Toxicology is an interplay of different scientific fields. It not only deals with xenobiotics and its effect on human life but also deals with development of new therapies.

Although various government policies are been made and health care has touched the zenith, but still there is a gap between common public, health care professionals and policy makers that needs to be bridge to safe guard healthy living and to create a healthy environment for upcoming generations.

Who should attend STOX 2019?
STOX 2019 is designed in a way to impart knowledge and to work together for establishment of healthy world. Experts, researchers, health care professionals and industrial personnel are requested to kindly attend and exchange their valuable knowledge.

WHO Fact
Urbanisation, a necessity of 21st century has an implacable effect on “Human Health”. Today diseases like asthma, heart disease, cancer, diabetes, HIV/AIDS, TB and malnutrition are lurking in every nook and corner of cities. It is estimated that by 2050 over 68% of population will find their abode in cities. Year 2018 has witnessed about 9.6 million deaths across the globe due to cancer. Hepatitis B, a life-threatening liver infection, prevails in South East Asian Countries and accounts for 27 million death. About 124 million children and adolescents are combating obesity in urban culture. On the other hand 52 million children under 5 years of age are wasted, 17 million are severely wasted and 155 million are stunted.

What is the expected outcome of STOX 2019?
We hope that STOX 2019 will make a long lasting impression on you and will evoke various though regarding human health and environment.
REGISTRATION FORM

INTERNATIONAL CONFERENCE ON BREAKTHROUGH IN TOXICOLOGY AND HUMAN HEALTH

and

39th ANNUAL MEETING OF SOCIETY OF TOXICOLOGY

December 27th - 29th, 2019

Registration form:

1. Name ...........................................................................................................................................
   Designation .................................................................................................................................
   Department .................................................................................................................................

2. Affiliation ......................................................................................................................................

3. Institute address ...........................................................................................................................
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   ....................................................................................................................................................
   City ........................................ Country ..............................................................................................

4. Age ................ yrs       Date of birth .................. Sex ................................................

5. Whether presenting a paper (....) Oral (.....) Poster

6. Title of abstract ...........................................................................................................................

7. Name of the presenting Author ..................................................................................................

8. Accompanying persons: Number ............. Relationship ..........................................................

9. Status of delegate: Full delegate / Student / Accompanying person

10. Details of registration fee paid: Mode (DD/NEFT) .............. Amount ...............Date.............

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Bank Details:

Bank Name: Central Bank of India, Branch: Jiwaji University, Gwalior, Branch Code: 3189
Account No.: 3779677779; IFSC Code: CBIN0283189; MICR Code: 474016012.

Accommodation Required (Please tick any one):
Student Hostel (............) Guest House (............) Hotel (............) Not Required (............)