

Dr. Sanjay Srivastava

Professor, Chemistry

Department of Applied Science and Humanities

Institute of Engineering and Technology

Sitapur Road, Lucknow-226021 Uttar Pradesh.

Email: sanjay.srivastava@ietlucknow.ac.in

srivastavsanjay_iet@yahoo.com

Academic Qualifications:

- **Ph. D.** in Chemistry from **University of Lucknow, Lucknow** in 1994.
- **NET (Joint CSIR-UGC Examination for JRF)** in 1989
- **M. Sc.** from **University of Lucknow, Lucknow** in 1988 with 66% marks.
- **B. Sc.** from **University of Lucknow, Lucknow** in 1986 with 66% marks.

Fellowships Awarded:

- **Research Associate (CSIR)** from April 1994 till May 1995 at Department of Chemistry University of Lucknow, Lucknow.
- **Senior Research Fellow (UGC-NET)** from April 1991 till March 1994 at Department of Chemistry, University of Lucknow, Lucknow.
- **Junior Research Fellow (UGC-NET)** from April 1989 till March 1991 at Department of Chemistry, University of Lucknow, Lucknow.

Work Experience:

- **Professor** at Institute of Engineering & Technology, Sitapur Road, Lucknow from 10th September, 2012 till date.
- **Associate Professor** at Institute of Engineering & Technology, Sitapur Road, Lucknow from 10th September, 2009 to 09th September, 2012.
- **Assistant Professor (AGP 8000/-)** at Institute of Engineering & Technology, Sitapur Road, Lucknow from 10th September, 2006 to 09th September, 2009.
- **Assistant Professor (AGP 7000/-)** at Institute of Engineering & Technology, Sitapur Road, Lucknow from 1st January, 2006 to 09th September, 2006.
- **Lecturer (Senior Scale)** at Institute of Engineering & Technology, Sitapur Road, Lucknow from 10th September, 2001 to 31st December, 2005.
- **Lecturer** at Institute of Engineering & Technology, Sitapur Road, Lucknow from 10th September, 1997 to 09th September, 2001.
- **Clinical Biochemist** at King George's Medical College, Lucknow from December, 1995 to 09th September, 1997.
- **Scientist (R and D)** at Core Healthcare Limited, Ahmedabad. From May 1995 to December 1995

Field of Research:

- Natural Products
- Pregnane and its glycosides
- Carbohydrates.

Publications:

- **Ph. D. Thesis:**
Pregnane Glycosides from Asclepiadaceae Plants
Under the guidance of Prof. Anakshi Khare, Department of Chemistry, University of Lucknow, Lucknow
- **Book Chapter:**
Pregnane Glycosides
Desh Deepak, **Sanjay Srivastava**, Anakshi Khare,
Progress in the Chemistry of Organic Natural Product (Fortschritte der Chemie organischer Naturstoffe, 71, 169-325, 1997. (Springer, Wien- New York).
- **Referred Papers**
 1. ***Structural Studies of Trisaccharide of Leptaculatin,***
Sanjay Srivastava, Desh Deepak, Anakshi Khare,
Journal of Carbohydrate Chemistry, 13, 75-80, 1994. (Impact Factor 1.393)
 2. ***Three Novel Pregnane Glycosides from Leptadenia reticulata Wight and Arn,***
Sanjay Srivastava, Desh Deepak, Anakshi Khare,
Tetrahedron, 50, 789-798, 1994. (Impact Factor 2.277)
 3. ***Structural Studies of Oligosaccharides of Reticulin and Deniculatin***
Sanjay Srivastava, Desh Deepak, Anakshi Khare,
Trends in Carbohydrate Chemistry, (Ed. P.L.Soni) Surya International
Publication, Dehradun page 61-67, **1995**.
 4. ***Indcusine- A Pregnane Diester Triglycoside from Hemidesmus indicus R. Br.***
Desh Deepak, **Sanjay Srivastava**, Anakshi Khare,
Natural Product Letters, 6, 81- 86, 1995.
 5. ***Structure Elucidation of Oligosaccharides containing 2- Deoxy Sugars by NMR Techniques***
Desh Deepak, Arun Sethi, Sapna S. Srivastav, Anakshi Khare, **Sanjay Srivastava**,
Trends in Carbohydrate Chemistry, (Ed. P.L.Soni) Surya International Publication,
Dehradun, page 25- 32, **1999**.

6. *Mass Spectral Studies of Pregnane Glycosides*
Desh Deepak, **Sanjay Srivastava**, Arun Sethi, Anakshi Khare,
Bulletin of Indian Society for Mass Spectrometry, 12-30, 1999.
7. *Pregnane Glycoside from Hemidesmus indicus R. Br.*
Arun Sethi, Sapna S. Srivastav, **Sanjay Srivastava**,
Indian Journal of Heterocyclic Chemistry, 15, 191-192, 2006. (ISSN 0971-1627)
8. *Synthesis of Some Novel Pregnane Derivatives and its Glycosides as Possible Anticancer Agents*
Anil K. Pandey, V. Tiwari, **S. Srivastava**, Arun Sethi,
Indian Journal of Heterocyclic Chemistry, 15, 353-358, 2006. (ISSN 0971-1627)
9. *Expeditious and Convenient Synthesis of Pregnanes and its Glycosides as Potential Anti- dyslipidemic and Anti- oxidant Agents*
Arun Sethi, Atul Maurya, Vibha Tewari, **Sanjay Srivastava**, Shaheen Faridi, Gitika Bhatia, M. M. Khan, A. K. Khanna, J. K. Saxena,
Bioorganic and Medicinal Chemistry, 15, 4520-4527, 2007. (Impact Factor 2.662)
10. *A New Pregnane Glycoside from Marsdenia roylei as Potential Anti- oxidant and Anti- dyslipidemic Agents*
Arun Sethi, Sudha Paswan, **Sanjay Srivastava**, Naveen Kumar Khare, Akriti Bhatia, Alok Kumar, Geetika Bhatia, Mohammad Mubin Khan, Ashok Kumar Khanna, Jitendra Kumar Saxena,
Journal of Asian Natural Product Research, 10, 1023-1028, 2008. (Impact Factor 0.651)
11. *Pregnane Glycoside from Hemidesmus indicus as Potential Anti- oxidant and Anti- dyslipidemic Agent*
Arun Sethi, Akriti Bhatia, **Sanjay Srivastava**, Geetika Bhatia, M. M. Khan, A. K. Khanna, J. K. Saxena,
Natural Product Research, 24, 1371-1378, 2010. (Impact Factor 0.906)
12. *Concise synthesis of a di- and a trisaccharide related to the pentasaccharide repeating unit of the O- antigen from E. coli O141*
Nalin Shukla, **Sanjay Srivastava**, Naveen K. Khare, Balaram Mukhopadhyay and Anakshi Khare,
Trends in Carbohydrate Research, 3(1), 27-32, 2011. (ISSN 0975-0304)
13. *Synthesis of the trisaccharide analogue of the pentasaccharide repeating unit of Burkholderia brasiliensis*
Nalin Shukla, **Sanjay Srivastava**, Naveen K. Khare and Anakshi Khare,
Trends in Carbohydrate Research, 3(3), 32-36, 2011. (ISSN 0975-0304)

- **Papers Presented At Symposia/Conferences:**

1. ***Structural Studies of Trisaccharide of Leptaculatin***
Sanjay Srivastav, Desh Deepak, Anakshi Khare, XVIth International Carbohydrate Symposium, Paris (July 5-10, 1992).
2. ***Structural Studies of Oligosaccharides of Reticulin and Deniculatin***
Sanjay Srivastav, Desh Deepak, Anakshi Khare, IXth Carbohydrate Conference, CDRI, Lucknow (November 24-26, 1993), OP 5.
3. ***Structure of Indicusin***
Sanjay Srivastav, Desh Deepak, Anakshi Khare XIXth IUPAC Symposium on the Chemistry of Natural Products, Karachi, Pakistan (January 16-20, 1994).
4. ***Structure elucidation of oligisaccharides containing 2-deoxy sugars by NMR techniques***
Desh Deepak, Sanjay Srivastav, Arun Sethi, Anakshi Khare, XII Carbohydrate Conference, Lucknow University, Lucknow (November 20-21, 1997), OP 8.
5. ***¹³C NMR Spectroscopy of C-21 Steroids***
Desh Deepak, Poonam Sigler, Sanjay Srivastav, Anakshi Khare, 5th National Symposium on Magnetic Resonance (Feb. 23-26, 1999) P 51.

Summer School/ Orientation Programme Attended:

- CIMAP Training on “Advanced Instrumentation and Analytical Techniques for Natural Products (AIAT- 2006)” at Central Institute of Medicinal and Aromatic Plants, Lucknow, 5-16th June 2006.
- Faculty Development Programme on “Workshop on Practicals on MATLAB for B. Tech. Courses” at Institute of Engineering and Technology, Lucknow, 8-10th April, 2008.
- Faculty Development Programme on “Probability and Statistical Tools for Researchers” at Institute of Engineering and Technology, Lucknow, 30th March – 28th April, 2009.
- Faculty Development Programme on “Research Methodology” at Institute of Engineering and Technology, Lucknow, 30th March – 28th April, 2009.

Symposia, Conferences and Workshops Attended:

- IX Carbohydrate Conferences at CDRI, Lucknow in November 1993.
XII Technician Training Course in Laboratory Animal Science at National Laboratory Animal Centre, CDRI, Lucknow in September 1995.
- XII Carbohydrate Conferences at Department of Chemistry, Lucknow University, Lucknow in November 1997.
- National Symposium on Potential of Natural Products in Drug Research and Young Scientists awareness Programme at Department of Chemistry, Lucknow University, Lucknow in November 1998.

- Workshop conducted by Vaigyanik tatha Tachniki Sabdawali Aayog in April, 1999.
- Workshop conducted by Vaigyanik tatha Tachniki Sabdawali Aayog in March, 2005.
- XX Carbohydrate Conference at Department of Chemistry, Lucknow University, Lucknow in November 2005.
- National Workshop on Sustainable Pollution Control at Institute of Engineering and Technology, Lucknow in December, 2005.
- Seminar on Sanitation - the Challenges Ahead at Institute of Engineering and Technology, Lucknow in December, 2008.
- TEQIP Phase –II: Training Programme at Institute of Engineering and Technology, Lucknow in June, 2012.
- National Workshop on Industry Academia Interaction for Innovation and Quality Technical Education: A Path forward for 2020 at Institute of Engineering and Technology, Lucknow in September 2013.
- National Workshop on Industry Academia Interaction on Frugal Engineering at Institute of Engineering and Technology in October, 2013.

Additional Responsibilities at IET, Lucknow/ AKTU, Lucknow

- Acted as representative of IET, Lucknow during the B. Tech. Admission counseling for several years.
- Looked after admissions of B. Tech Ist year students.
- Member of Scholarship Disbursement Committee.
- Member of Branch Change Committees.
- Member of Coordination Committee for Accreditation Awareness.
- Member of Physical verification committee for library.
- Acted as ACS for Lucknow University, U.P. Technical University and Gautam Buddh Technical University End Semester Examinations and other examinations.
- Appointed as External and Internal Examiner for Practical Examinations of U.P. Technical University/ Gautam Buddh Technical University.
- Member of committee for award of marks for employment of RGC under backlog.
- Member screening committee for the employment of faculty in Applied Science and Mechanical Engineering Departments.
- Worked as In Charge Class Rooms.
- Member, Board of Studies, Department of Applied Science, IET, Lucknow.
- Member Examination Committee, IET, Lucknow.
- External Examiner for Practical Examination of Lucknow University, Lucknow.
- In charge Institute's Central Academic Time Table since June, 2002 till October 2017.
- Associate Dean Student Welfare at AKTU, Lucknow.
- Deputy Chairman, ISSAAC since September, 2005 till March, 2014.
- Deputy Chairman, ISSAAC since January, 2015 till October, 2017.
- **Deputy Dean Academics since September, 2008 till December 2015.**
- **Dean Academics since December 2015.**