

Curriculum Vitae

Personal:

Name: Sandeep Kumar

Date of Birth: 15 June 1983

E-mail ID: sandeepgenome@gmail.com

Mob. No: +91 9338446230

Permanent Address: 102 A, KB 2E Barra 2, Kanpur, U.P. 208027



Academic qualification:

<i>Examination</i>	<i>Institution</i>	<i>Board/University</i>
<i>B.Sc</i>	<i>BND College, Kanpur</i>	<i>CSJM Kanpur University, Kanpur</i>
<i>M.Sc (Botany)</i>	<i>DAV College, Kanpur</i>	<i>CSJM Kanpur University, Kanpur</i>
<i>M.Sc (Biotechnology)</i>	<i>P.G. Dpt. Of Biotechnology</i>	<i>Utkal University, Bhubaneswar</i>
<i>Ph.D. (Biotechnology)</i>	<i>P.G. Dpt. Of Biotechnology</i>	<i>Utkal University, Bhubaneswar</i>

Supervisor

Prof. G.B.N. Chainy

CSIR-Emeritus Scientist
Department of Biotechnology
Utkal University
Bhubanewar-751004, India
Email: chainyg@gmail.com
Phone: 9337116660

Co-Supervisor

Prof. Jagneshwar Dandapat

HOD, Department of Biotechnology
Utkal University, 751004 India
Email: jdandapat.nou@gmail.com
Phone: 9437466087

Thesis: Validation of antihypertensive homeopathic drug, *Rauwolfia serpentina* by biochemical and molecular approaches in rat model.

Fellowships Awarded:

1. Council of Scientific and Industrial Research (CSIR-UGC National Eligibility Test for Lectureship, December 2011
2. Senior Research Fellow-AYUSH project Oct 2009- May 2012
3. Research Fellow-DST-PURSE Scheme: June 2012-September 2015

Research Publications

1. Sunil Kumar Behera, Prangya Parimita Panda, **Sandeep Kumar Saini**, Nilotpala Pradhan, Lala Behari Sukla,, and Barada Kanta Mishra. Recovery of nickel from chromite overburden, Sukinda using *Aspergillus niger* supplemented with manganese. *Korean J. Chem. Eng.* 2013, 30(2), 392-399.
2. **Sandeep Kumar**, Jagneshwar Dandapat, Gagan Bihari Nityanand Chainy, Akshaya Kumar Hati, Laxmikanta Nanda, Indramani Nath. Homeopathic Medicine *Rauwolfia Serpentina* Ameliorate Blood Pressure and Oxidative Stress Parameters of Kidney by Modulating Expression of Antioxidant Enzymes in Deoxycorticosterone Acetate (DOCA)-Salt-Induced Hypertensive Rat Model. *Journal of Drug research and Development.* 2016, 2(1), 1-12.
3. **Sandeep Kumar**, Gagan Bihari Nityananda Chainy, Jagneshwar Dandapat, Akshaya Kumar Hati, Laxmikanta Nanda. Comprehending the role of homeopathic preparations of *Rauwolfia serpentina* on oxidative stress parameters of cardiac tissue of DOCA-salt induced hypertensive male rats: An experimental approach. *Phytomedicine Plus.* 1(4), 1-10, 2021.

Teaching experience

1. Guest Faculty: Department of Biotechnology, CBSH, OUAT, Bhubaneswar, Odisha. 07.12.2015-15.08.2016
2. Assistant Professor: DESM, Regional Institute of Education, Bhubaneswar, Odisha.16.08.2016-30.04.2017
3. Assistant Professor: MITS School of Biotechnology, Infocity, Patia, Bhubaneswar, Odisha. 16.08.2017 to Continuing.

Seminar/Conference Attended

1. 99th Indian Science Congress 3-7 January 2012. KIIT University, Bhubaneswar.
2. Conference conducted by Immunological Society of India, Odisha Chapter, held at NISER, Bhubaneswar, Date: 11-08-2012.
3. National conference on “Science for shaping the future on India” on the occasion of the 15th Odisha Bigyan Congress, October 18-19th, 2012 in the Department of Geology, Utkal University, Bhubaneswar.

4. International Conference on “Emerging trends in Biomarker Research-Prospects and challenges”, 13-14 September 2013 held at JNIAS, Secunderabad Andhra Pradesh.
5. National Symposium on “Emerging trends in Biotechnology: Present Scenario and Future Dimensions” 29-30 March 2014 P.G. Department of Biotechnology, Utkal University, Bhubaneswar.
6. National Conference on “Ethnopharmacology and Biotechnology in drug development: Prospects and Challenges”, 14-15 November, 2014, IBS and VRNSIA & Alternate Medical Education & Research, Bundelkhand University, Jhansi and Society for Ethnopharmacology, India. (Poster Presentation)
7. 83rd Annual Meeting of Society of Biological Chemicals (India) and Symposium on Evolution: Molecules to Life held at Bhubaneswar, Odisha 18-21 December, 2014.
8. 85th Annual Session of The National Academy of Sciences India, 6-8 December, 2015, at KIIT University, Bhubaneswar.
9. National conference on “Conservation of Eastern Ghats”, 16-17 April 2016 P.G. Department of Zoology, Utkal University, Bhubaneswar & Greens Alliance for Conservation of Eastern Ghats (GrACE).
10. Utkal University Research Scholars Conclave-2016, 30th April, 2016, Utkal University Bhubaneswar. (Poster Presentation)
11. National Workshop on Emerging trends in life sciences for Sustainable Development. 8-9 February, 2019. P.G. Department of Life Sciences, Rama Devi Women’s University, Bhubaneswar, India.
12. World Bank-Odisha Higher Education Program for Excellence and Equity (WB-OHEPEE) Sponsored National Seminar cum Workshop on “Proteomics in Public Health”, 15-16 March, 2019, P.G. Department of Biotechnology, Utkal University, Bhubaneswar, Odisha.
13. International conference on surface chemistry. Department of Chemistry. 27th and 28th August 2020. Annamalai University, Annamalai Nagar, India. (Oral Presentation).

Technical expertise

UV-Visible Spectroscopy; Fluorescence Spectroscopy; Ultracentrifugation; DNA, RNA, plasmid isolation and transformation; Agarose gel electrophoresis; SDS-PAGE; PCR; RT-PCR; RAPD; RFLP; ELISA; Western blotting; Bacterial culture; Plant tissue culture; HPLC etc.

References

Prof. G.B.N. Chainy

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Prof. Jagneshwar Dandapat

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Utkal University, 751004 India
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Phone: 9437466087

Declaration

I declare that the information furnished above is correct and complete to the best of my knowledge and belief.

Yours faithfully

(Sandeep Kumar)