

CURRICULUM VITAE

Dr. SANJAY KUMAR

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ACADEMIC QUALIFICATIONS

Name of the Degree	Institution/ University	Subject	Marks Secured	% of marks Obtained
Ph.D. With regulation 2009	Aryabhatta Knowledge University, Patna	Nanotechnology		7.00 CGPA
M.Sc. Microbiology	Bundelkhand University, Jhansi	Microbiology	1264	67%
B.Sc. (Hons.) Biotechnology	Patna University Patna	Biotechnology	1097	58%
Intermediate (Science)	BIEC, Patna	Science	510	57%
Secondary School Examination	BSEB, Patna	All Subjects	520	58 %

Research paper published in scientific journals

Details of Published paper								
S.No.	Name of Journal	ISSN/ISBN No.	Title of published work	Vol. No.	Page No.	Date and year of publication	Impact factor	Authorship
1.	IJAAM	2348-0173	Crystal structure and magnetic property studies on nanocrystalline Lauh bhasma an Ayurvedic medicine	04	17-23	January 2016	0.301	Coauthor
2.	IJPSR	2320-5148	Evaluation of iron oxide nanoparticles on aging and age related metabolism and physiological changes in C. elegans	08	3813-3816	September 2017	0.59	First
3.	GSC Biological and pharmaceutical science	2581-3250	Study on physical properties of Indian based Ayurvedic medicine : Abhrakh bhasma as nanomaterials by employing modern scientific tools	05(02)	041-047	October 2018	0.15	Coauthor
4.	NISCAIR	0975-1068	Physical properties of an Indian Ayurvedic medicine (<i>Shankh Bhasma</i>) as nano materials for its application	18(1)	178-183	January 2019	1.061	Coauthor
5.	Elsevier (Science Direct)	0975-9476	Study on physical properties of Ayurvedic nanocrystalline Tamra bhasma by employing modern scientific tools	10	88-93	2019	0.830	Coauthor
6.	JPSC	2347-9604	Nanotechnology: A future for cancer diagnosis and treatment	03	65-72			First
7.	Horizon research publication, USA (Advance in diabetes and metabolism)	2332-0060	Epidemiological survey of Asymptomatic bacteriuria in diabetes mellitus patient in Patna, India	2(3)	43-47	2014	0.32	First

Conference/Workshop/ Symposium attended:

Name of event	Category	Date	Venue	Sponsoring agency	Role
National science conference	Conference	07-09 march 2019	AKU, Patna	BARC, Mumbai and AKU	Poster presented (2 nd position)
Contributions of Indian scientist in different areas of physics	National conference	15 th April 2018	Patna University, Patna	UGC, Patna university	Poster presented
Ayurveda Parv	Conference	16 th -18 th march 2018	Gyan Bhawan, Patna	Ministry of Ayush govt. of India	Poster presented (1 st position)
Environment & Health	National Symposium	16 January 2017	Mahavir Cancer Sansthan, Patna	UNICEF	Participant
Emerging trend in chemistry fundamental and applications	National Symposium	21-22 April 2016	Patna University, Patna	UGC & Patna university	Paper presented
Basic molecular machines in cell biology	Workshop	3-5 November 2015	Patna university	DBT and ISCB	Participant
Hysteroscopy workshop	Workshop	7 th February 2015	Patna	AKU & Mahavir Cancer Sansthan, Patna	Participant
Role of molecular diagnosis of cancer treatment	National Symposium	12 th march 2015	Patna	Mahavir Cancer Sansthan, Patna	Participant
Science and Technology	International conference	23-25 December 2014	Patna	BB Society and Magadh Mahila college, Patna	Paper presented
Packaging of Fresh & Processed Foods	National workshop	12 th December 2014	Patna	IIP and Ministry of food processing industry govt. of India	Participant
Intellectual property right	Training programme	16 October 2014	Patna	Ministry of commerce & industry, dept. of science and technology govt. of Bihar	Participant
Immunological experiments	Workshop	27 -28 march 2011	Indore, MP	MP council of science and technology	Participant
Recent Advances in Pharmacotherapy	Workshop	2 February 2010	IMCH & RC Indore	IMCH & RC	Participant
Genomic and cellular medicine	Workshop	4 th February 2010	MGM, Indore	Association of Indian pathologist of	Participant

				North America, USA	
World AIDS Day	Symposium	1 st December 2006	BU Jhansi	UGC	Poster presented (1 st position)
Knowledge exchange programme in life science education & research	Seminar	28-29 January 2006	Jhansi, UP	BU, Jhansi	Poster presented (1 st position)
Recent Trends in Molecular Biology	National Symposium	27-28 February 2006	Gwallior, MP	UGC,ICMR	Poster presented

M.Sc. Dissertation Work:

Name of institution	Place	Name of guide	Title of work Completed	Duration
National Research Centre on DNA Fingerprinting NBPGR, ICAR	New Delhi	Dr. Manjusha Verma (Principle Scientist)	Study of polymorphism in musk melon cultivars with STMS markers	Four months

M.Sc. Industrial training:

Name of institution	Place	Title of work Completed	Duration
UNIX BIOTECH	Solan, HP	Drugs Production and Quality control	30 days

B.Sc. Project work:

Name of institution	Place	Title of work Completed	Duration
RMRIMS (ICMR)	Patna, Bihar	Advance Immunobiotechnological technique	30 days
RMRIMS (ICMR)	Patna, Bihar	Advance training course on microbiology and molecular biology of Leishmaniasis	30 days

TECHNICAL EXPERTISE

- Bacteriological culture and isolation of different sample like, urine, pus, blood, CSF, sputum, stool, ascitic fluid, pleural fluid etc
- Preparation of different solid, semisolid and liquid culture media for bacterial and fungal culture
- Different biochemical test for bacterial colonies confirmation.
- Antimicrobial sensitivity testing as per CLSI guidelines.
- Culture and drugs sensitivity testing of fungal sample.
- Diagnosis of different parasitological diseases
- Different diagnostics test of M. tuberculosis including culture.
- Blood culture on BACTEC 9050 automated system and conventional method
- Extraction and purification of DNA from clinical specimen for amplification and identification of infectious diseases.
- Chromatography, Electrophoresis, Gel-documentation, and Western blotting technique.
- RT- PCR for viral diagnosis like HBV/HCV on Roche TaqMan48 (COBAS)
- Different serological and immunological test for diagnosis.

PERSONAL INFORMATION

Father's Name : Nalni Ranjan
Date of Birth : March 1st 1977
Language : English and Hindi
Marital Status : Married

CORRESPONDENCE ADDRESS

Anand Puri, Thana Road, Khagaul
Patna, Bihar, India, Pin 801105

Signature