



DR. D. Y. PATIL BIOTECHNOLOGY AND BIOINFORMATICS INSTITUTE
DR. D. Y. PATIL VIDYAPEETH, PUNE

(Deemed to be University)

(Accredited (3rd Cycle) by NAAC with a CGPA of 3.64 on four point scale at 'A++' Grade)

(Category I University approved by UGC)

(An ISO 9001: 2015 & 140001:2015 Certified University),

Institute supported by DST-FIST & Approved by AICTE, Govt. of India

Prof. Nilesh Kumar Sharma



Designation	Professor (AICTE ID-1-3700601924 (INSTITUTIONAL ID: 1-3667580281))
Work Address	<u>Cancer and Translational Research Centre, Dr. D. Y. Patil Biotechnology and Bioinformatics Institute, Dr. D. Y. Patil Vidyapeeth, Pune, Tathwade-411033</u>
Date of Birth	<u>04/02/1979</u>
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RESEARCH PROFILE IDS AND WEBLINK

<u>VIDWAN ID</u>	https://vidwan.inflibnet.ac.in/profile/103121
<u>ORCID ID</u>	https://orcid.org/0000-0002-8774-3020
<u>Scopus Author ID</u>	https://www.scopus.com/authid/detail.uri?authorId=16307935500
<u>WOS Profile</u>	https://www.webofscience.com/wos/author/record/K-2540-2013
<u>ResearchGate ID</u>	https://www.researchgate.net/profile/Nilesh_Sharma9
<u>Google Scholar ID</u>	https://scholar.google.nl/citations?hl=en&user=BALQilUAAAAJ
<u>LinkedIn profile</u>	https://www.linkedin.com/in/prof-nilesh-kumar-sharma-ph-d-fmasc-2339b917/

ACADEMIC QUALIFICATIONS

- **GATE (Life Science), CSIR-UGC JRF-NET (2003) Qualified**
- Ph.D. in Biotechnology (2009) –Indian Institute of Technology Roorkee, Roorkee, India **(Grade A)**
- M.Sc. in (Life Science and Molecular Biology) (2003) – College of Basic Science, G.B.P.U.A& T Pantnagar, Uttarakhand, **First class (Departmental Topper)**
- B.Sc. in (Life Science) (2001) - Dr. P.D.K.V, Akola, MCAER, MH- **First class, College Topper.**
- 12th Board/Higher Secondary School (1995)-Bihar Intermediate Board, **First Class (Distinction)**
- 10th Board/Secondary School (1993)-Bihar Intermediate Board, **First Class (Distinction)**

PROFESSIONAL EXPERIENCE: RESEARCH AND TEACHING

Position	Name of the Institution/ Industry	From (dd/mm/yyyy)	To (dd/mm/yyyy)
Professor	Dr. D. Y. Patil Biotechnology and Bioinformatics Institute, Dr. D. Y. Patil Vidyapeeth, Pune (2024 NIRF University Rank-44th)	28/02/2020	Till date
Associate Professor	Dr. D. Y. Patil Biotechnology and Bioinformatics Institute, Dr. D. Y. Patil Vidyapeeth, Pune (2024 NIRF University Rank-44th)	01/05/2016	27/02/2020
Assistant Professor	Dr. D. Y. Patil Biotechnology and Bioinformatics Institute, Dr. D. Y.	14/09/2013	30/04/2016

	Patil Vidyapeeth, Pune (2024 NIRF University Rank-44th)		
Assistant Professor	Jaipur National University, Jaipur, India	01/01/2009	01/06/2010
Post Doctoral Scientist	Rutgers University USA and NIEHS, NIH, USA	10/06/2010	01/08/2013
Senior Research Fellow	Department of Biotechnology, IIT Roorkee, Roorkee	01/01/2007	01/01/2009

DETAILS OF ADMINISTRATE/MANAGEMENT POST:

SR NO	Name of Organization	Duration	Name of Committee/Responsibilities
1	NAAC, Bangalore, Government of India	Onwards 2024	Empaneled as a NAAC Assessor/Inspector for Universities and Colleges.
2	Dr. D.Y. Patil Vidyapeeth, Pune, Biotechnology & Bioinformatics Institute	May, 2022-Continued	QS Ranking and I-Gauge Rating Committee, QS Digital Maturity Framework Ranking, The TIMES RANKING, UN SDGs Impact ranking, University Documentation Officer
3	Dr. D.Y. Patil Vidyapeeth, Pune, Biotechnology & Bioinformatics Institute	Aug. 2014-Continued	National Assessment and Accreditation Council (NAAC) Criteria Coordinator, College IQAC Coordinator DPU, Pune (IQAC Committee Member) (Since 2018-Till date)
4.	Dr. D.Y. Patil Vidyapeeth, Pune, Biotechnology & Bioinformatics Institute	Aug. 2013-July.2016	International Student Cell and Research Coordinator
5.	Dr. D.Y. Patil Vidyapeeth, Pune, Biotechnology & Bioinformatics Institute	Aug. 2013-Till Date	Institutional Biosafety, Ethics and Curriculum Committee Member
6.	Dr. D.Y. Patil Vidyapeeth, Pune, Biotechnology & Bioinformatics Institute	Jan, 2015-Continued	ISO (9001-2008 and 9001-2015) Coordinator and Certified Auditor
7	Dr. D.Y. Patil Vidyapeeth, Pune, Biotechnology & Bioinformatics Institute	Jan, 2019-Continued	Institutional Grievance Redressal Committee, Member Secretary
8.	Dr. D.Y. Patil Vidyapeeth, Pune, Biotechnology & Bioinformatics Institute	Oct, 2016-July. 2019	Executive Member in University NIRF ranking committee

DETAILS OF RESEARCH PROJECTS:**Total grants: 1.10 Crore**

Sr No	Title of Research Project	Investigators	Funding agency and reference number	Amount and Duration
1	Exploitation of abnormal DNA repair in cancer as a strategy for cancer therapy	Dr. Nilesh Kumar Sharma (PI)	Reference number: Registration No. SERB/LS-1028/2013 SERB, DST, New Delhi,	23 Lakhs, Dec. 2014-Nov. 2017, Completed
2	Development of infrastructure and facilities (including upgradation, modification, etc.) for teaching and research	Prof. J. K. Pal (PI) Co-PIs: Prof. Neelu Nawani Dr. Nilesh K. Sharma Dr. Rajesh K. Gupta Dr. K V Swamy	SR/FST/LS-1/2017/70	Five Years (2018-2023) Total amount: 90 Lakhs. Ongoing
3	Mitochondrial marker screening of GDM and post-partum T2DM Indian patients using FACS and Confocal microscopy technique.	Dr. Nilesh Kumar Sharma (PI) and Dr. Charusheela Gore (MD)	Reference number: DPI/106(04)/2015	5 Lakhs, Dec 2015-Nov 2017, Completed
4	Investigating landscape of crosstalk between ATM kinase and DNA ligase III in breast carcinoma cells.	Dr. Nilesh K Sharma (PI)	DPU/06/11/2016	23.50 Lakhs, Completed (2015-2018)
5.	Study on biomarkers in biological fluids and materials from oral cancer and precancerous patients	Prof. Nilesh K Sharma (PI) Co-PIs Prof. Sachin C Sarode	DPU/644-41/2021, dated 24/07/202	Two Years (2021-2023) Total amount: 03 Lakhs
6.	A study to generate proof of concept on metabopsy of discarded milk teeth and nail clippings for the early diagnosis of inherited metabolic disorders (IMD)"	Prof. Nilesh K Sharma (PI) Co-PIs Prof. Sachin C Sarode Prof. Shraddha Salunkhe	ICMR/DHR/R.1101 4/38/2023-GIA/DHR	Three Years 2023-2026 Total amount: ~35 Lakhs (Ongoing)

RESEARCH OVERVIEW

Area of Specialization: Tumor heterogeneity and drug resistance in cancer (Medical Biotechnology)

Research Interests

1. Investigating the landscape of DNA repair and epigenetics mechanisms in cancer drug resistance.
2. Implications of small non-coding RNA in cancer pathophysiology
3. Tumor heterogeneity and biomarkers discovery
4. Metabopsy of Tumors, IMDs, and other metabolic diseases

Experimental Models

1. Human carcinoma and normal cell lines (In vitro 2-D/3-D cell culture and in silico tools for mimetic anticancer drug designs and their predictive assessment)
2. Carcinoma patient tissues, discard to diagnostic biological materials (e.g. Tears, Nail clippings, milk teeth etc.) of Cancer patients and IMDs

Research Statement

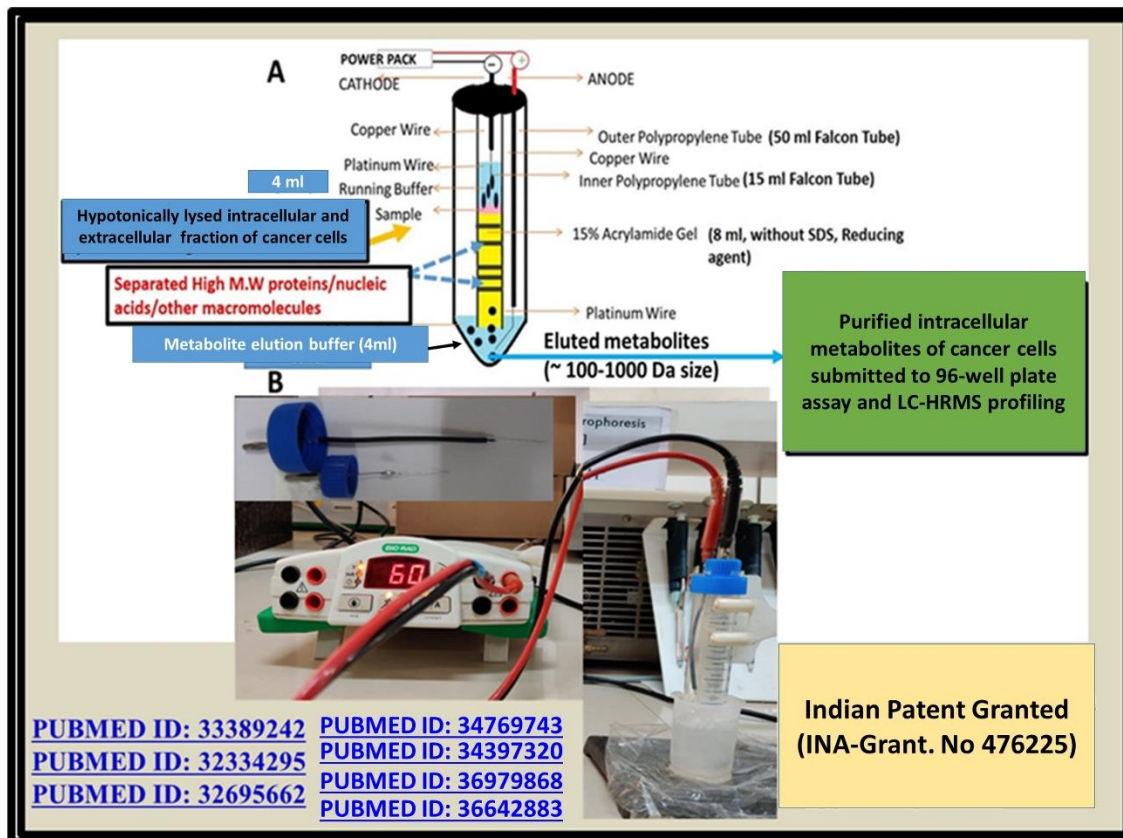
As a Professor at Dr. D.Y. Patil Biotechnology and Bioinformatics Institute, Pune, my research focuses on the intricate **dynamics of tumor microenvironments** and the discovery of **novel biomarkers** through innovative techniques such as Indian patent-granted for an in-house designed vertical tube gel electrophoresis (VTGE)-assisted metabopsy. My work has led to the identification of unique metabolic biomarkers in breast and oral cancer patients, with implications for improving diagnostic accuracy and treatment efficacy. In my **preclinical research work, I employed 2D and 3-D cultures of breast cancer cells, Oral cancer cells, lung cancer cells, and leukemia cells (HL-60).**

In the last ten years, I have closely worked with clinicians to work on the tumor tissues of breast cancer and oral cancer cells to understand the metabolic-epigenomic regulations in tumor initiation and progression. I have explored the use of novel approaches for the identification of metabolite biomarkers. Further, my research group has translated the identified metabolites into the design and development of metabolite mimetic as a potential class of combinatorial anticancer agents. Recently, my research group has started exploring **rare genetic diseases such as inherited metabolic disorders for potential early diagnosis tools with the intent of Discard to Diagnostic theme. To achieve research objectives, I received extramural (DST-SERB, DST-FIST, ICMR, Government of India) and intramural grants.**

In addition to my research, I am committed to fostering an innovative learning environment that integrates cutting-edge technologies and outcome-based education. My teaching responsibilities span undergraduate and postgraduate programs, where I emphasize the application of research-driven insights to inspire the next generation of scientists. Over the past 10 years, I have mentored numerous **UG, PG, and Ph.D. students, guiding them through research internships, dissertations, and more than 100 research publications (Indexed in SCOPUS/WOS) of their work in high-impact journals.**

My long-term goals include enhancing the research profile of my institution through **national and international collaborations, increasing the number of publications in prestigious journals, and**

advancing the commercialization of patents and startup ideas such as the Metabopsy Health Services Pvt. Ltd. I am also dedicated to contributing to the quality and accreditation processes at both institutional and national levels, leveraging my experience as a member of various academic and administrative committees.



**Figure 1. A model of in-house and a novel design of vertical tube gel electrophoresis (VTGE).
Indian Patent Grant No-INA476225 (2024).**

In the coming years, I aim to solidify my research contributions, expand interdisciplinary collaborations, and continue to nurture the academic and professional growth of my students, all while driving forward innovative solutions to the complex challenges in cancer biology.

Anticancer drugs, Epigenetic, Small RNAs and DNA repair proteins

We have found that combinatorial use of DNA repair protein inhibitors, such as L189 and SCR7, may reduce the doses of anticancer agents such as cisplatin and doxorubicin in cancer cells, thus reducing side effects. We have also discovered new classes of anticancer drugs, including free fatty acids and tripeptides derived from cow and goat urine. Recently, we have designed metabolite mimetic as inhibitors of HDAC10 and TET2 epigenetic modifiers, based on intracellular and extracellular metabolite profiling of cancer cells treated with conventional drugs. These metabolites mimetic are curated and published in PubChem databases. We have discovered the relevance of small RNAs derived from potato and corn as potential non-conventional sources of anticancer agents.

DETAILS OF JOURNAL REVIEWER/EDITORIAL MEMBER:

<https://www.webofscience.com/wos/author/record/K-2540-2013>

<https://orcid.org/0000-0002-8774-3020>

Sr. No	Name of Journal	Impact Factor	Role
1	BBA-Molecular Biology of Disease	(SCI-IF-5)	Reviewer
2	Cancers	(SCI-IF-5.0)	Reviewer
3	Breast Cancer Research	(SCI-IF-5)	Reviewer
4	International Journal of Cancer	(SCI-IF-7)	Reviewer
5	Biomedicine and Pharmacotherapy	(SCI-IF-4)	Reviewer
6	Oncotarget	(SCI-IF-4.5)	Reviewer
7	Plos One	(SCI-IF-3.0)	Reviewer
8	Breast Cancer Research & Treatment	(SCI-IF-4.5)	Reviewer
9	International Journal of Pharmaceutics	(SCI-IF-4.8)	Reviewer
10.	IUMB Life	(SCI-IF-4.0)	Reviewer
11.	Cancer Biotherapy and Radiopharmaceuticals	(SCI-IF-4.0)	Reviewer
12	Cellular Oncology	(SCI-IF-5.0)	Reviewer
13	Medical Hypotheses	(SCI-IF-2.0)	Reviewer
14	Journal of Translational Medicine	(SCI-IF-5.0)	Reviewer
15	Cancer Gene Therapy	(SCI-IF-5.5)	Reviewer
16.	BBA-Reviews Cancer	(SCI-IF-11)	Reviewer
17.	Cancer Biology and Therapy	(SCI-IF-5.0)	Reviewer
18.	Frontiers in Oncology	(SCI-IF-5.1)	Reviewer
19.	International Journal of Molecular Sciences	(SCI-IF-5.1)	Reviewer
20	Molecular Genetics and Metabolism	(SCI-IF-4.1)	Reviewer

PROFESSIONAL RECOGNITION, AWARDS, FELLOWSHIPS RECEIVED:

- **Fellow Maharashtra Academy of Sciences (FMASc)-2023**
- **Evaluator/Judge for School Innovation Contest by Ministry of Education, Government of India-2024**
- **Life-Member (Indian Association of Cancer Research-IACR)-2023**
- **MARATHI VIGYANAN PARISHAD-2023 MENTORSHIP AWARD**
- Cancer and Translational Research Centre (MENTOR-PI-Prof. Nilesh Kumar Sharma) received Prizes in **UNMESH-2023 (Innovation/Hypothesis and Scientific Presentation Category)**
- An idea and paper on the development of **nail metabopsy for detection of inherited metabolic disorders (IMDs) received a 20,000.00 INR prize** (International Conference on Drug Discovery, 2023 Organised by BITS Pilani, Goa and Sponsored by Schrodinger, USA.
- **DPU-Consistent Researcher Award-2022**
- **GBU-Ideathon 2022** Runner-up prize 31000.00 INR for VTGE-Metabopsy for IEM
- Outstanding Scientist **Award, 2021**, VD Good Professional Association, India
- **Best Inspiring Innovation Award, 2019** for VTGE design and their applications in biomarkers discovery.
- **DPU Research Award, 2018**
- Young Investigator Travel Award by ICCB-2018, Hyderabad, CCMB

- **Young Investigators Meeting Travel Grant Award-2017**, sponsored by DBT-Welcome Trust, EMBO
- **DPU Young Researcher Award** 2015-2016.
- Certified as **ELITE Health Researcher** in a Course "Health Research Fundamentals" by NIE, ICMR.
- Certified and completed the Bioethics Training course on behalf of UNESCO CHAIR BIOETHICS (Haifa).
- Certified as a trainee in ISO 9001-2008.
- DST (SERB) Young Scientist Research Award Recommended.
- Invited presentation for selected research proposal under "Young Innovative Investigator, DBT, New Delhi" (Feb 2014).
- Research grant fellowship sponsored by **the Department of Defense (DOD), USA (2012-2013)**
- Awarded the first rank in UG courses and got recognition with a fellowship award.
- **Qualified National Eligibility Test for UG and PG courses**
- Qualified for **Graduate Aptitude Test in Engineering (GATE) in year 2003.**
- **Qualified for National Eligibility Test for Lectureship/JRF (2003)** and eligible for teaching post.
- Council of Scientific and Industrial Research (CSIR), Ministry of Human Resource Development awarded **Junior Research Fellowship (JRF) and Senior Research Fellowship (SRF).**
- Travel award from DST, New Delhi and University of Paris, Paris to present paper at International conference on Free radicals, health and human diseases, Paris, France, 2007.

RESEARCH PUBLICATIONS:

Total Research Publications: 116

Total Scopus Indexed Publications: 100

Q1 JOURNAL: 34, Q2 JOURNAL: 43, Q3 JOURNAL: 15, Q4 Journal : 9

Total SCI (Science Citation Indexed) publications: 91

[A] JOURNAL PUBLICATIONS: <https://vidwan.inflibnet.ac.in/profile/103121>
<https://www.scopus.com/authid/detail.uri?authorId=16307935500>
<https://www.webofscience.com/wos/author/record/K-2540-2013>



116	Nilesh Kumar Sharma. Common molecular basis of aging and cancer dynamics: complex interactions among age, diseases, external stressors, and environmental factors. Aging Advances 1(1):23-26, September 2024. DOI: 10.4103/AGINGADV.AGINGADV-D-24-00003 SCOPUS/PUBMED Indexed
115	Sharma NK, Sarode SC. Evolving Artificial Intelligence (AI) at the Crossroads: Potentiating Productive vs. Declining Disruptive Cancer Research. Cancers. 2024; 16(21):3646. https://doi.org/10.3390/cancers16213646 . SCOPUS/PUBMED Indexed/H SCI-IF-5.0 Q1 Journal
114	Gopinath Sekar, Sachin Chakradhar Sarode, Nilesh Kumar Sharma. Potentiation of tumor hallmarks by the loss of GULO, a vitamin C biosynthesis gene in humans. Current Molecular Medicine. 2024. PUBMED ID: 39411937 DOI: 10.2174/0115665240328074241003110326. SCOPUS/PUBMED Indexed/H SCI-IF-3.0 Q2 Journal

113	Ajay Kumar Raj, Kiran Bharat Lokhande, Kratika Khunteta, Sachin Chakradhar Sarode, Nilesh Kumar Sharma. Elevated N1-Acetylspermidine Levels in Doxorubicin-treated MCF-7 Cancer Cells: Histone Deacetylase 10 Inhibition with an N1-Acetylspermidine Mimetic. Journal of Cancer Prevention. 2024. 29(2): 32-44. https://doi.org/10.15430/JCP.24.002 . SCOPUS/PUBMED Indexed/H SCI-IF-3.0 Q3 Journal
112	Arathi Radhakrishnan, Ritwik Gangopadhyay, Chandresh Sharma, Sharma NK , Rajpal Srivastav. Unwinding the helicase MCM functionality for diagnosis and therapeutics of replication abnormalities associated with cancers: A Comprehensive View. Molecular Diagnosis and Therapy. 2024. doi: 10.1007/s40291-024-00701-5. PUBMED ID: 38530633 . (SCOPUSWOS/PUBMED INDEXED, SCI-IF-4.0, Q1 Journal).
111	Sarode GS, Sharma NK , Sarode SC. Cell-in-Cell Phenomena or Tumor-APCs? A Pathologist's Perspective. Middle East Journal of Cancer. 15 (4). 333-335. 10.30476/mejc.2024.100229.1981 (SCOPUSWOS/PUBMED INDEXED, SCI-IF-0.4, Q4 Journal).
110	Amol S Dhane, Gargi Sarode, Sachin C. Sarode, Sharma NK . Rise in arsenic pollution and oral cancer: A call for action. Oral Oncology reports. 2024. 9: 100238. (SCOPUSWOS/PUBMED INDEXED).
109	Sharma NK , Bahot A, Sekar G, Bansode M, Khunteta K, Sonar PV, Hebale A, Salokhe V, Sinha BK. Understanding Cancer's Defense against Topoisomerase-Active Drugs: A Comprehensive Review. Cancers (Basel). 2024. 16(4):680. PUBMED ID: 38398072 . (SCOPUS/WOS/PUBMED INDEXED SCI-IF:5.2, Q1 Journal).
108	Sharma NK , Sarode SC, Bahot A, Sekar G. Secretion of acetylated amino acids by drug-induced cancer cells: perspectives on metabolic-epigenetic alterations. Epigenomics. 2023. 15(19):983-990. PUBMED ID: 37933586 . (SCOPUS/WOS/PUBMED INDEXED SCI-IF:4.0, Q2 Journal).
107	Raskia Nandangiri, Seethamma T N, Ajay Kumar Raj, Kiran Lokhande, Kratika khunteta, Ameya Hebale, Haet Kothari, Sachin C Sarode, Vaidehi Patel, Sharma NK . Secretion of sphinganine by drug-induced cancer cells and modified mimetic sphinganine (MMS) as c-Src kinase inhibitor. Asian Pac J Cancer Prev. 2024. 25(2):433-446. PUBMED ID: 38415528 . (SCOPUS/WOS/PUBMED INDEXED, Q2 Journal)
106	Ajay Kumar, Kiran Bharat Lokhande, Pal JK. Sharma NK* . Intracellular ellagic acid derived of goat urine DMSO fraction (GUDF) predicted as an inhibitor of c-Raf kinase. Current Molecular Medicine. 2024. 24(2):264-279. PUBMED ID: 36642883 . (SCOPUS/PUBMED/SCI-IF-3.0 INDEXED, Q2 Journal).
105	Rushikesh Patel, Ajay Kumar Raj, Kiran Lokhande, Kratika khunteta, Ameya Hebale, Haet Kothari, Sachin C Sarode, Vaidehi Patel, Sharma NK . Predicted role of Acetyl-CoA synthetase and HAT p300 in extracellular lactate mediated lactylation in the tumor: In vitro and in silico models. Current Chemical Biology. 2023. 17 (4): 203-215. (SCOPUS/WOS INDEXED, Q4 Journal)
104	Sarode GS, Sarode SC, Sharma NK . Comment on "Clonal evolution of long-term expanding head and neck cancer organoid: Impact on treatment response for personalized therapeutic screening". Oral Oncol. 2023. 147:106614. PUBMED ID: 37922595 . (SCOPUS/WOS/PUBMED INDEXED SCI-IF:5.0, Q1 Journal).
103	Bhatkar D, Ananda N, Lokhande KB, Khunteta K, Jain P, Hebale A, Sarode SC, Sharma NK . Organic Acids Derived from Saliva-amalgamated Betel Quid Filtrate Are Predicted as a Ten-

	eleven Translocation-2 Inhibitor. Journal of Cancer Prevention. 2023. 28(3):115-130. PUBMED ID: 37830116 . (SCOPUS/PUBMED Indexed/H SCI-IF-3.0 Q3 Journal).
102	Devyani Bhatkar, Dipti Nimburkar, Ajay Kumar Raj, Kiran B. Lokhande, Kratika Khandelwal, Haet Kothari, Mrudula Joshi, Sachin C. Sarode, Sharma NK* . Reduced level of prolylhydroxyproline in the nail clippings of oral cancer patients and its role as an activator of Phospholipase C- β 2. Current Protein & Peptide Science . 2023. 24(8):684-699. PUBMED ID: 3756555 . (SCOPUS/PUBMED/SCI-IF-3.0 INDEXED, Q2 Journal).
101	Rahul Anand, Gargi Sarode, Sharma NK , Sachin C. Sarode. Preclinical methodologies for studying smokeless tobacco-induced oral carcinogens: A perspective. Oral Oncology reports . 2023. 7:1000073. (WOS/PUBMED INDEXED).
100	Rahul Anand, Gargi Sarode, Sharma NK , Sachin C. Sarode. Unravelling the complex interplay between the immune system and fibrosis in oral submucous fibrosis: insights from spatial transcriptomics and metabolomics. Oral Oncology reports . 2023. 7:100076. (SCOPUSWOS/PUBMED INDEXED).
99	Sharma NK* and Sarode SC (2023) Artificial intelligence vs. evolving super-complex tumor intelligence: critical viewpoints. Front. Artif. Intell. 6:1220744. doi: 10.3389/frai.2023.1220744 . PUBMED ID: 37560445 (SCOPUS/WOS/PUBMED INDEXED, SCI-IF- 3.0 Q2 Journal).
98	Sharma NK* , Sachin C. Sarode. Dynamics of Cellular Intelligence (CI) and Artificial Intelligence (AI): Health Perspectives. Journal of Artificial Intelligence for Medical Sciences, 2023. 4(1):1–2 . OI: 10.55578/joaims.230522.001 .
97	Sachin C. Sarode, Gargi S. Sarode, Sharma NK , Rahul Anand, Namrata Sengupta. Fibrosis-associated DDR1 downregulation contributes to a better prognosis in oral squamous cell carcinoma associated with oral submucous fibrosis. Medical Hypotheses. 2023. 174. 111058 (SCOPUS/PUBMED/ SCI-IF-4.5 INDEXED, Q2 Journal).
96	Sharma NK* , Sarode SC. Various Forms of Silicon Electronic Waste and Predisposition to Cancer. Journal of Cancer Prevention. 2023. 28(1):1-2. PUBMED ID: 37033332 . (SCOPUS/PUBMED Indexed/H SCI-IF-3.0 Q3 Journal).
95	Sachin C Sarode, Gargi S Sarode, Sharma, NK . Outdoor air pollution and oral cancer: Critical viewpoints and future prospects. Future Oncology. 2023. 19(6):409-411. PUBMED ID: 36942734 . (SCOPUS/PUBMED/ SCI-IF-4.0 INDEXED, Q1 Journal).
94	Raj AK, Upadhyay V, Lokhande KB, Sarode SC, Bhonde RR, Sharma, NK* . Free fatty acids from cow urine DMSO fraction induce cell death in breast cancer cells without affecting normal GMSCs. Biomedicines. 2023. 11(3):889. PUBMED ID: 36979868 . (SCOPUS/PUBMED/ SCI-IF-5.0 INDEXED, Q1 Journal).
93	Sarode SC, Sharma NK , Sarode G, Bhatkar D, Ananda N. Quantification of betel quid hygroscopicity in context to saliva: A proof of concept for future studies. J Oral Biol Craniofac Res. 2023. 13(1):41-43. PUBMED ID: 36387590 . (SCOPUS/PUBMED INDEXED, Q2 Journal).
92	Sarode, GS, Sarode, SC. Sharma, NK . Carcinogen-induced self-inflicted genome-wide DNA breaks in ‘habit-continued’ oral cancer: A possible survival strategy by cancer cells Medical Hypotheses. 2022. 168. 110970. (SCOPUS/PUBMED/ SCI-IF-4.5 INDEXED, Q2 Journal).
91	Sarode GS, Anand R, Sharma NK , Sarode SC. Hot and cold tumor: Recent developments and perspectives on oral cancer. Oral Oncol. 2022. 134:106114. PUBMED ID: 36113398 . (SCOPUS/PUBMED/ SCI-IF-5.0 INDEXED, Q1 Journal).
90	SC Sarode, GS Sarode, Sharma NK . Keratin granuloma-associated giant cells in oral squamous cell carcinoma: Blessing in disguise? Medical Hypotheses. 2022. 166: 110916. (SCOPUS/PUBMED/ SCI-IF-4.0 INDEXED, Q2 Journal) .

89	GS Sarode, SC Sarode, Sharma NK . Persistence of leader cell behaviour can lead to malignant transformation in oral submucous fibrosis Medical Hypotheses. 166: 110914. 2022. https://doi.org/10.1016/j.mehy.2022.110914 . (SCOPUS/PUBMED/ SCI-IF-4.4 INDEXED, Q2 Journal).
88	Sarode GS, Kumari N, Gophane R, Ghone U, Sharma NK , Sarode SC. Trends and prospects in oral cancer vaccine. Oral Oncol. 2022. 133:106051. PMID: 35939917 . (SCOPUS/PUBMED/ SCI-IF-5.0 INDEXED, Q1 Journal).
87	Sachin C. Sarode, Sharma NK , Gargi Sarode, Mohit Sharma, Raghu Radhakrishnan. Targeting the immune-privileged myofibroblast in oral submucous fibrosis by CAR T-cell therapy. Medical Hypotheses. 2022. 165:110897, (SCOPUS/PUBMED/ SCI-IF-4.4 INDEXED, Q2 Journal).
86	Sengupta N, Sarode SC, Sarode GS, Sharma NK . Preconditioning of lymph nodes prior to metastasis: Foresightedness of tumor cells. Oral Oncol. 2022. 128:105863. PUBMED ID: 35447567. (SCOPUS/PUBMED/ SCI-IF-5.0 INDEXED, Q1 Journal).
85	Sachin C. Sarode, Sharma NK , Gargi Sarode, Devyani Bhatkar. Do osmotic pressure and hygroscopicity of areca nut related products drive extracellular fluid loss and condensation of collagen bundles in oral submucous fibrosis?, Medical Hypotheses. 2022. 163:110836. https://doi.org/10.1016/j.mehy.2022.110768 . (SCOPUS/PUBMED/ SCI-IF-4.4 INDEXED, Q2 Journal).
84	Sarode SC, Sarode GS, Sharma NK . Salivary gland carcinomas and molecular chaos: Additional perspectives. Oral Oncol. 2022. 127:105802. PUBMED ID: 35248923. (SCOPUS/PUBMED/ SCI-IF-5.25 INDEXED, Q1 Journal).
83	Sarode SC, Sharma NK , Sarode G. A critical appraisal on cancer prognosis and artificial intelligence. Future Oncol. 2022 Feb 9. doi: 10.2217/fon-2021-1528. Epub ahead of print. PUBMED ID: 35137629. (SCOPUS/PUBMED/ SCI-IF-4.0 INDEXED, Q1 Journal).
82	Sarode GS, Sarode SC, Sharma NK . Phenotypic reflection of white sponge nevus in histomorphological features of oral squamous cell carcinoma. Oral Oncology. 2022. PUBMED ID: 35007880 125:105707. (SCOPUS/PUBMED/ SCI-IF-5.25 INDEXED, Q1 Journal).
81	Sachin C. Sarode, Sharma NK , Gargi Sarode, Devyani Bhatkar. Hygroscopic nature of betel quid: A cause for acinar cell degeneration and xerostomia, Medical Hypotheses. 2022. 160:110768. https://doi.org/10.1016/j.mehy.2022.110768 . (SCOPUS/PUBMED/ SCI-IF-4.4 INDEXED, Q2 Journal).
80	Sharma NK* , Sarode SC. Do compromised mitochondria aggravate severity and fatality by SARS-CoV-2? Curr Med Res Opin. 2022. 11:1-10. PUBMED ID: 35403526. SCOPUS/PUBMED/ SCI-IF-2.5 INDEXED, Q2 Journal).
79	Sharma NK , Sarode S, Sarode G. Natural vaccines accumulated in facemasks during COVID-19: Underappreciated role of facial masking. J Oral Biol Craniofac Res. 2021. 12(1):42–4. PUBMED ID: 34660190, Q2 Journal).
78	Anwesha Deep Dutta, Ajay Kumar, Kiran Bharat Lokhande, Manmohan Mitruka, K. Venkateswara Swamy, Jayanta K. Pal, Sachin C. Sarode and Sharma NK* . Detection of oncometabolite nicotine imine in the nail of oral cancer patients and predicted as an inhibitor of DNMT1. 2021. Current Chemical Biology. 15(4): 301-309. Q4 Journal) SCOPUS.WOS Indexed
77	Sarode GS, Sarode SC, Sengupta N, Ghone U, Sharma NK , Patil S. Hemorrhagic areas as a histological prognosticator in oral cancer: A novel proposition. Med Hypotheses. 2021. PUBMED ID: 34274885. 154:110642. (SCOPUS/PUBMED/ SCI-IF-4.4 INDEXED, Q2 Journal).

76	Patel R, Raj AK, Lokhande KB, Almasri MA, Alzahrani KJ, Almeslet AS, Swamy KV, Sarode GS, Sarode SC* , Patil S, Sharma NK* . Detection of Nail Oncometabolite SAICAR in Oral Cancer Patients and Its Molecular Interactions with PKM2 Enzyme. Int J Environ Res Public Health. 2021. 18(21):11225. PUBMED ID: 34769743. (SCOPUS/PUBMED/ SCI-IF-3.5 INDEXED, Q2 Journal).
75	Sharma NK* , Sarode SC, Sarode GS, Patil S. CD8+ T cell dysfunction by TOX intoxication: a protumorigenic event in the tumor microenvironment. Future Oncol. 2021. 17(36):5129-5134. PUBMED ID: 34845935. (SCOPUS/PUBMED/ SCI-IF-3.5 INDEXED, Q1 Journal).
74	Chandore H, Raj AK, Lokhande KB, Swamy KV, Pal JK, Sharma NK* . An Intracellular Tripeptide Arg-His-Trp of Serum Origin Detected in MCF-7 Cells Is A Possible Agonist to β 2 Adrenoceptor. Protein Pept Lett. 2021. PUBMED ID: 34397320. 28(10):1191-1202. (SCOPUS/PUBMED/ SCI-IF-1.5 INDEXED, Q3 Journal).
73	Sharma NK* , Sarode SC. Molecular Landscape of Lung Epithelium Contributes to High Severity and Comorbidities for COVID-19 and Lung Cancer. Current Cancer Therapy Reviews. 2021. 10.2174/1573394717666210705115359. (SCOPUS/PUBMED/ SCI-IF-0.5 INDEXED, Q4 Journal).
72	Ajay Kumar, Jainish, Lokhande K, Swamy KV. Sharma NK* . Novel antiproliferative tripeptides inhibit AP-1 transcriptional complex. International Journal of Peptide Research and Therapeutics. 2021. 27:2163–2182. (SCOPUS/PUBMED/SCI-IF-2.0 INDEXED, Q3 Journal).
71	Sharma NK* , Sarode SC. Low pH and temperature of airway surface liquid are key determinants that potentiate SARS-CoV-2 infectivity. Curr Mol Med. 2021. PUBMED ID: 34397331. doi: 10.2174/1566524021666210816095557. (SCOPUS/PUBMED/ SCI-IF-1.5 INDEXED, Q2 Journal).
70	Sarode GS, Sarode SC, Gadbail AR, Gondivkar S, Sharma NK , Patil S. Angiotensin-converting Enzyme 2 Specific Cell Subset Identification in Oral Tissues: A Need of the Hour in COVID-19 Research. J Contemp Dent Pract. 2020. 21(12):1305-1306. (SCOPUS/PUBMED/WOS INDEXED, Q3 Journal).
69	Sarode GS, Sarode SC, Sengupta N, Ghone U, Sharma NK , Gadbail AR, Gondivkar S, Patil S. Denture induced mechanotransduction can contribute to oral carcinogenesis. Medical Hypotheses. 2021. 148: 110507. (SCOPUS/PUBMED/ SCI-IF-4.4 INDEXED, Q2 Journal).
68	Sarode SC, Sarode GS, Sharma NK , Patil S. Novel use of fluorescent microscopy in determining basement membrane integrity in ambiguous cases. Oral Oncol. 2021. 15:105217. (SCOPUS/PUBMED/ SCI-IF-4.5 INDEXED, Q1 Journal).
67	Sarode G, Sarode S, Gadbail A, Gondivkar S, Sharma NK , Patil S. Readdressing dysplasia at surgical margins as predictive biomarker of malignant transformation. Oral Oncology. 2021 23:105181. SCOPUS/PUBMED/ SCI-IF-4.5 INDEXED, Q1 Journal).
66	Ajay Kumar, Sheetal Patel, Devyani Bhatkar, Sarode SC. Sharma NK* . 2021. A novel method to detect intracellular metabolite alterations in MCF-7 cells by doxorubicin induced cell death. Metabolomics. 17(1):3. PUBMED ID: 33389242 (SCOPUS/PUBMED/ SCI-IF-3.5 INDEXED), Q2 Journal.
65	Sarode G, Sarode S, Gadbail A, Gondivkar S, Sharma NK , Patil S. Are oral manifestations related to SARS-CoV-2 mediated hemolysis and anemia? Med Hypotheses. 2020. 110413. PMID: PMC7680608. (SCOPUS/PUBMED/ SCI-IF-4.4 INDEXED, Q2 Journal).
64	Sarode GS, Sarode SC, Sengupta N, Gadbail AR, Gondivkar S, Sharma NK , Patil S. Clinical status determines the efficacy of salivary and nasopharyngeal samples for detection of SARS-CoV-2. Clin Oral Investig. 2020. 24(12):4661-4662. (SCOPUS/PUBMED/SCI-IF-3.0 INDEXED, Q1 Journal).

63	Sarode GS, Sarode SC, Gadbail AR, Gondivkar S, Sharma NK , Patil S. 2020. Patients with interferon expressing oral pathology disorders are susceptible for COVID-19 infection. Medical Hypotheses. PUBMED ID: 7422813. 144: 110179. (SCOPUS/PUBMED/ SCI-IF-1.5 INDEXED, Q2 Journal).
62	Sharma NK , Sarode SC, Sarode G, Patil S. Is a COVID-19 vaccine developed by nature already at work? Med Hypotheses. 2020. 145:110335. PUBMED ID: 33059225. (SCOPUS/PUBMED/ SCI-IF-4.4 INDEXED, Q2 Journal).
61	Saranya Varadarajan, Balaji Madapusi, Sachin Sarode, Gargi Sarode, Sharma NK , Shailesh Gondivkar, Amol Gadbail, Shankargouda Patil. 2020. EMMPRIN/BASIGIN as a biological modulator of oral cancer and COVID-19. A novel propositions. Medical Hypotheses. PUBMED ID: 32673940 : 143: 110089. (SCOPUS/PUBMED/ SCI-IF-4.5 INDEXED, Q2 Journal).
60	Sarode SC, Sarode GS, Sengupta N, Sharma NK , Patil S. 2020. A Novel viewpoint on tobacco smoking and COVID-19. J Contemp Dent Pract. 2020. 21 (9):949-950. (SCOPUS/PUBMED INDEXED, Q3 Journal).
59	Sarode SC, Sarode GS, Sengupta N, Sharma NK , Patil S. 2020. Biological behavior of oral squamous cell carcinoma in the background of novel corona virus infection. Oral Oncology. PUBMED ID: 32402653 . DOI: 10.1016/j.oraloncology.2020.104781. (SCOPUS/PUBMED/ SCI-IF-4.5 INDEXED, Q1 Journal).
58	Sarode SC, Sarode GS, Sengupta N, Sharma NK , Patil S. 2020. Adipocyte-tumor cell native encounter in oral squamous cell carcinoma. Future Oncology. 16(24):1793-1796. PUB MED ID: 32539566 . (SCOPUS/PUBMED/ SCI-IF-2.5 INDEXED, Q1 JOURNAL).
57	Sarode SC, Sarode GS, Sengupta N, Sharma NK Patil S. 2020. Calcified keratin pearls in oral squamous cell carcinoma. Oral Oncology. PUBMED ID: 32276815 . 8:104681 (SCOPUS/PUBMED/SCI-IF-4.5 INDEXED, Q1 Journal).
56	Sarode SC, Sarode GS, Sengupta N, Sharma NK Patil S. 2020. Perspective on muscle-tumor interaction in oral squamous cell carcinoma. Oral Oncology. PUBMED ID: 32273154 . 6:104667. (SCOPUS/PUBMED/ SCI-IF-4.5 INDEXED, Q1 Journal).
55	Sharma NK , Sarode SC, Sarode GS, Patil S. 2020. Nail as a dump yard for drugs and their metabolites: blessing in disguise for nail cancer? PUBMED ID: 32334295 . Medical Hypotheses. 142. 109744. (SCOPUS/PUBMED/SCI-IF-4.4 INDEXED, Q2 Journal).
54	Sarode SC, Sarode GS, Sharma NK Patil S. 2020. Fluorescent microscopy based novel methodology for identification of indistinct tumor-stroma junction. Oral Oncology. PUBMED ID: 32094044 . 104:104605. (SCOPUS/PUBMED/ SCI-IF-4.5 INDEXED, Q1 Journal).
53	Sharma NK* , Sarode SC, Sarode GS, Patil S, Pal JK. 2020. Dietary choices modulate colorectal cancer stem cell: A role of FXR nuclear receptor. Nutrition & Cancer. PUBMED ID: 32674619 . Nutrition and Cancer. 16:1-8. (SCOPUS/PUBMED/ SCI-IF: 2.5 INDEXED, Q2 Journal).
52	Sarode GS, Sarode SC, Jain P, Sharma NK . et al. 2019. Dietary Modification as a Part of Prescription in Inflammatory Lesions of Oral Cavity: A Need of the Hour. J Contemp Dent Pract 2019. PUBMED ID: 31892672 . 20(11):1239 1240. (SCOPUS/PUBMED INDEXED, Q3 Journal).
51	Mitruka M, Gore CR, Kumar A, Sarode SC, Sharma NK* . 2020. Mitruka M, Gore CR, Kumar A, Sarode SC and Sharma NK. 2020. Undetectable Free Aromatic Amino Acids in Nails of Breast Carcinoma: Biomarker Discovery by a Novel Metabolite Purification VTGE System. Front. Oncol. PUBMED ID: 32695662 . 10:908. doi: 10.3389/fonc.2020.0090879. (SCOPUS/PUBMED/ SCI-IF: 5.0 INDEXED, Q2 Journal).
50	Sarode SC, Sharma NK , Sarode GS, Patil S, Atre S. 2020. Presenting symptoms and cancer stage: Do symptom locations matter? Medical Hypotheses. (SCOPUS/PUBMED/SCI-IF: 1.5

	INDEXED). PMID: 32062194. DOI: 10.1016/j.mehy.2020.109616. 138: 109616. (SCOPUS/PUBMED/ SCI-IF-4.4 INDEXED, Q2 Journal).
49	Sharma NK*, Pal JK. 2020. Metabolic ink lactate modulates epigenomic landscape: A concerted role of pro-tumor microenvironment and macroenvironment. Current Molecular Medicine. PUBMED ID: 32436828. doi: 10.2174/1566524020666200521075252. (SCOPUS/PUBMED/ SCI-IF-3.5 INDEXED, Q2 Journal).
48	Ajay Kumar, Sayantani Roychoudhary, Devyani Bhatkar. Sharma NK*. 2020. Molecular avenues in doxorubicin cancer therapy. Future Oncology. PUBMED ID: 32253930. 16(11):687-700 (SCOPUS/PUBMED/ SCI-IF-2.5 INDEXED, Q1 Journal).
47	Sachin Sarode, Gargi S Sarode, Amol R Gadail, Shailesh Gondivkar, Sharma NK, Shankargouda Patil. 2019. Lysyl oxidase in oral cancer: friend or foe? Medical Hypothesis. 130:109283. PUBMED ID: 31383339 (SCOPUS/PUBMED/WEB OF SCIENCE/ SCI-IF 1.5 INDEXED, Q2 journal).
46	Sharma NK*, Sarode SC, Sarode GC, Patil S. 2019. Starvation in cancer cells: circulating arginine is good for cancer but bad for patients. Expert Rev Anticancer Ther. 19(6):455-459. PUBMED ID: 31092062. (SCOPUS/PUBMED/ SCI-IF 2.5/SCIMAGO H Index-40, Q2 Journal).
45	Sarode GS, Sarode SC, Choudhary N, Sharma NK, Dharmarajan G, Patil S. 2019. Together consideration of microenvironment and tumor cells: Analysis of papers published in Oral Oncology. 2019. pii: S1368-8375(19)30194-0. PUBMED ID: 31178339. (SCOPUS/PUBMED/ SCI-IF-4.5/SCIMAGO H Index: 120, Q1 Journal).
44	Sharma NK, Sarode SC, Sarode GS, Gadail AR, Gondivkar S, Patil S. Letter to the Editor. Macrophages Promote Growth of Squamous Cancer Independent of T cells. Journal of Dental Research. 98(12):1397. PUBMED ID: 31483711. (SCOPUS/PUBMED/ SCI-IF 5.0/SCIMAGO H Index-120, Q1 Journal).
43	Nelli SR, Sharma NK, Kumar PM and Singh SS. 2019. The potential role of flavonoids in the control of oxidative stress for type II diabetes. Int J Pharm Sci & Res. 10(8): 3795-99. doi: 10.13040/IJPSR.0975-8232.10(8).3795-99. (SCOPUS/PUBMED Indexed).
42	Sharma NK*. 2019. "Transcriptional recording and chromatin remodeling events by CRISPR-Cas tool". Current Chemical Biology. 13(3):185-186. (SCOPUS/PUBMED/WOS/SCIMAGO H Index: 10, Q4 Journal).
41	Sarode SC*, Sharma NK, Sarode GS, Patil S. 2019. Oral premalignant lesions of smokers and non-smokers show similar carcinogenic pathways and outcomes. Journal of Oral Pathology and Medicine. PUBMED ID: 31058379. 48(6):507. (SCOPUS/PUBMED/ SCI-IF-2.5/SCIMAGO H Index: 73, Q1 Journal).
40	Waghmode A, Ishita tendon, Sharma NK*. 2019. Cancer stem cells equipped with powerful hedgehog signaling and better epigenetic memory: Avenues to look for cancer therapeutics. Current Cancer Drug Targets. 19(11): 877-884. PUBMED ID: 31393247 (SCOPUS/PUBMED/ SCI-IF-3/SCIMAGO H Index: 100, Q2 Journal).
39	Sarode SC, Sarode GS, Sharma NK, Patil S. 2019. Recent trends in predictive biomarkers for determining malignant potential of Oral Potentially Malignant Disorders. Oncology Reviews. PUBMED ID: 31565195. DOI: 10.4081/oncol.2019.424. (SCOPUS/PUBMED/WOS/ SCI-IF 3.5 Q2 Journal).
38	Devyani Bhatkar. Sachin C. Sarode. Gargi S. Sarode, Shankargouda Patil, Sharma NK*. 2020. CRISPR-Cas9 genome editing tool: A narrow lane of cancer therapeutics with potential blockade. Translational Cancer Research. 9(4):3135-3141. (SCOPUS/PUBMED /SCI-IF-1.5/SCIMAGO H Index: 30, Q3 Journal).

37	Kumar A, Swati Swami, Sharma NK* . 2020. Distinct DNA metabolism and anti- proliferative effects of goat urine metabolites: An explanation for xeno-tumor heterogeneity. Current Chemical Biology. 2020. 14(1): 48-57. (SCOPUS/PUBMED H Index: 10, Q4 Journal) .
36	Sharma NK* . 2019. Exosomal packaging of trans-activation response element (TAR) RNA by HIV-1 infected cells: A pro-malignancy message delivery to cancer cells. Molecular biology Reports. PMID: 30903574 . 46(3):3607-3612. (SCOPUS/PUBMED/ SCI-IF-2.5/SCIMAGO H Index: 210, Q2 Journal).
35	Green PD, Sharma NK , Santos JH. 2019. Telomerase impinges on the cellular response to oxidative stress through mitochondrial ROS-mediated regulation of autophagy. International Journal of Molecular Sciences. Int. J. Mol. Sci. 2019, 20(6), 1509. PMID: 30917518 . (SCOPUS/PUBMED/ SCI IF-4.5/SCIMAGO H Index: 80, Q1 Journal) .
34	Tandon, Ishita, Pal, Roshni, Pal JK. Sharma NK* . 2019. Extra-chromosomal circular nuclear DNA: An extra piece of evidence in tumor heterogeneity. Future Science OA. PMID: 31285839 . 5(6):FSO390. (SCOPUS/PUBMED Indexed/H SCI-IF-2.5 Q3 Journal) .
33	Sharma NK, B . 2019. Vomocytosis by macrophages: A crucial event in the local niche of tumors. Future Oncology. PMID: 31038349 . DOI: 10.2217/fon-2019-0078 . SCOPUS/PUBMED/ SCI-IF-2.5/Q1 Journal) .
32	Mamta Shekhawat, Devashree Jahagirdar, Sunny Yadav, Sharma NK* . 2019. Induction of apoptosis in HeLa by corn small RNAs. Nutrition and Cancer. 20:1-11. DOI:10.1080/01635581.2018.1526307 . PMID: 30785339 . (SCOPUS/PUBMED /SCI-IF 2.2/ SCIMAGO H-Index: 109, Q2 Journal) .
31	Sharma NK* . 2019. A connecting switch among aging, diabetes and tumor: avenue leading to cancer therapeutics. Current Cancer Therapy Reviews. 15:170-171. (SCOPUS/ ESCI Indexed SCIMAGO H-Index: 11, SCI-IF-0.5, Q4 Journal) .
30	Sunny Yadav, Devashree Jahagirdar, Mamta Shekhawat, Sharma NK* . 2019. Induction of S-phase cell cycle arrest and apoptosis in HeLa cells by small RNAs fraction of Solanum tuberosum L. MicroRNA. 8(3):180-188. PMID: 30569881 . (SCOPUS INDEXED/WOS/SCIMAGO H Index-10) .
29	Sharma NK , Sachin C Sarode*, Gargi S Sarode, Shankargouda Patil. 2018. Letter to the Editor: "Impact of Age on Disease Progression and Microenvironment in Oral Cancer". Journal of Dental Research. 97(13):1519. PUBMED ID: 30280945 . (SCOPUS/PUBMED/ SCI-IF-5.3/SCI-MAGO H Index: 153, Q1 Journal) .
28	Himadri Patel, Devashree Jahagirdar, Sharma NK* . 2018. Induction of apoptotic death and cell cycle arrest in HeLa by extracellular factors of breast carcinoma. Asian Pacific Journal of Cancer Prevention. 19(12): 3307-3316. PMID: 30583335 . (SCOPUS/PUBMED/SCIE INDEXED/SCI-MAGO H Index: 59, Q3 Journal) .
27	Sachin C Sarode, Sharma NK , Gargi Sarode, Shankargouda Patil, Pritish Nilendu. 2018. Survival strategies of cancerous cells: a novel perspective. Future Oncology. PMID: 30191739 . 14(26): 2679-2682. (SCOPUS/PUBMED/ SCI-IF-2.5/Q1 Journal) .
26	Sudharshan Reddy Nelli, Sharma NK , Manoj Kumar P, Surya S Singh*. 2018. Evaluation of oxidative stress and antioxidant status between Type II diabetes patients and healthy populations. Asian Journal of Pharmaceutical and Clinical Research. 11(9):264-267. DOI: http://dx.doi.org/10.22159/ajpcr.2018.v11i9.25998 . SCOPUS INDEXED (SCI-MAGO- H Index-23) .
25	Nilendu P, Kumar A, Kumar A, Pal JK, Sharma NK* . 2018. Breast cancer stem cells as last soldiers eluding therapeutic burn: A hard nut to crack. International Journal of Cancer.

	142(1):7-17. PUBMED ID: 28722143. (SCOPUS/PUBMED/ SCI-IF-7.36/SCIMAGO H Index: 206, Q1 Journal).
24	Ishita Tandon, Sharma NK* 2019. Macrophage flipping from foe to friend: A matter of interest in breast carcinoma heterogeneity driving tumor hallmarks. Current Cancer Drug targets. PUBMEDID: 29952260. 19(3):189-198. (SCOPUS/PUBMED/ SCI-IF 3.0/SCIMAGO H Index-83, Q2 Journal).
23	Pritish Nilendu, Sachin C. Sarode, Devashree Jahagirdar, Ishita Tandon, Shankargouda Patil, Gargi S. Sarode, Jayanta K. Pal, Sharma NK* . 2018. Mutual concessions and compromises between stromal cells and cancer cells: driving tumor development and drug resistance. Cellular Oncology. DOI: 10.1007/s13402-018-0388-2. 41(4):353-367. PUBMEDID: 30027403 (SCOPUS/PUBMED/S CI-IF-5/SCIMAGO H Index-26, Q1 Journal).
22	Azad Kumar, Sharma NK* . 2018. Differential DNA damaging effects of genotoxic agents from chewing tobacco and gutka. Hematology and Medical Oncology. 3(1):1-3. DOI: 10.15761/HMO.1000151. (PUBMED Indexed).
21	Jahagirdar D, Purohit S, Sharma NK* . 2018. Combinatorial Use of DNA Ligase Inhibitor L189 and Temozolomide Potentiates Cell Growth Arrest in HeLa. Current Cancer Therapy Reviews. 14:1-7. 10.2174/1573394714666180216150332. (SCOPUS/ ESCI INDEXED/SCIMAGO H Index:11, SCI-IF-0.5, Q4 Journal).
20	Himadri Patel, Pritish Nilendu, Devashree Jahagirdar, Jayanta K. Pal, Sharma NK* . 2018. Modulating non-cellular components of microenvironmental heterogeneity: A masterstroke in tumor therapeutics. Cancer Biology & Therapy. 19(1):3-12. PUBMEDMID: 29219656. (SCOPUS/PUBMED/ SCI-IF-3.25/SCIMAGO H Index:96, Q2 Journal).
19	Aayushi J, Jahagirdar D. Pritish Nilendu, Sharma NK* . 2017. Molecular approaches to potentiate cisplatin responsiveness in carcinoma therapeutics. Expert Reviews in Anticancer Therapy. 17(9):815-825. PMID: 28705091. (SCOPUS/PUBMED/ SCI-IF-2.21/SCIMAGO H Index: 58, Q2 Journal).
18	Pritish Nilendu, Sharma NK* . 2017. Epigenomic hard drive (EHD) imprinting: A hidden code beyond the biological death of a cancer patient. Journal of Cancer Prevention. 22:211-218. https://doi.org/10.15430/JCP.2017.22.4 . PUBMEDID: 29302578. (SCOPUS/PUBMED Indexed/H SCI-IF-3.0 Q3 Journal).
17	Gargi S Sarode, Nikunj Maniyar, Sharma NK , Shankargouda Patil, Sarode SC. 2017. Carcinogenesis-relevant biological events in the pathophysiology of the efferocytosis phenomenon. Oncology Reviews. 11(343): 87-93. PMID: 29285321. (SCOPUS/PUBMED Indexed/SCIMAGO H Index: 10, SCI-IF 3.0, Q2 Journal).
16	Nilendu P, Roychoudhary S, Deshpande K, Sharma NK* . 2017. Therapeutic peptide mimetics looking for a turn to block aberrant players of malignancy. Current Cancer Therapy Reviews. 2017, 13, 1-18. Doi. 10.2174/1573394713666170615115259. (SCOPUS INDEXED/ESCI/SCIMAGO H Index:11, SCI-IF 0.5, Q4 Journal).
15	Aayushi Jain, Sunny Yadav, Mohsein Beig, Shruti Purohit, Sharma NK* . 2017. Base excision repair manipulation in breast carcinoma: A prospective avenue to potentiate genome insulting approach. Oncomedicine. 2017; 2: 42-51. DOI:10.7150/oncm.16758 . PUBMED Indexed.
14	Sunny Yadav, Mamta Shekhawat, Devashree Jahagirdar, Sharma NK* . 2017. Natural and artificial small RNAs: A promising avenue of nucleic acid therapeutics in cancer. Cancer Biology & Medicine. 14(3): 242-253. PUBMEDID: 28884041. (SCOPUS/PUBMED/SCI-IF-4.1/ Q1 Journal).

13	Kumar A, Bhatkar D, Purohit S, Jahagirdar D, Sharma NK* . 2017. Non-homologous end joining inhibitor SCR-7 to exacerbate low dose doxorubicin cytotoxicity in HeLa. Journal of Cancer Prevention. 2017. 22(1):47-54. PUBMEDID: 28382286. (SCOPUS/PUBMED Indexed/H SCI-IF-3.0 Q3 Journal).
12	Kumar A, Nilendu P, Azad Kumar, Sharma NK* . 2017. Epigenetic perturbation driving asleep telomerase reverse transcriptase: possible therapeutic avenues in carcinoma. Tumor Biology. 39(3):1-9. PUBMEDID: 28347254. DOI: 10.1177/1010428317695951. (SCOPUS/PUBMED/SCI-IF-3.0/Q2 Journal).
11	Ajay Kumar, Sarode SC*, Gargi S Sarode, Barnali Majumdar, Shankargouda Patil, Sharma NK* . 2017. Beyond gene dictation in oral squamous cell carcinoma progression and its therapeutic implications. Translational Research In Oral Oncology. 2: 1–14. DOI: 10.1177/2057178X17701463.
10	Devashree J, Shruti Purohit, Aayushi Jain, Sharma NK* . 2016. Export of short RNAs: A bridge between breast carcinoma and their neighboring cells". Front. Oncol. 6:147. doi: 10.3389/fonc.2016.00147. PUBMED ID: 27379209. (SCOPUS/PUBMED/SCI-IF-4.5/SCIMAGO H Index: 50, Q2 Journal).
9	Shruti Purohit, Devashree Jahagirdar, Azad Kumar, Sharma NK* . 2016. Potential of taming microRNA on driver seat to control mitochondrial horses in breast carcinoma. MicroRNA. 5(3): 158-166. PUBMED ID: 27464995. (SCOPUS/PUBMED/SCIE INDEXED/SCIMAGO H Index:10, Q4 Journal).
8	Bhatkar D, Kumar J, Purohit S, Jahagirdar D, Sharma NK* . 2016. ATM kinase inhibitor KU-55933 contribution in cisplatin mediated HeLa proliferation. International Journal of Pharmacology and Toxicology. 4(2): 201-207. DOI: 10.14419/ijpt.v4i2.6644.
7	Azad Kumar, Shruti Purohit, Sharma NK* . 2016. Aberrant DNA double-strand break repair threads in breast carcinoma: Orchestrating genomic insults survival. Journal of Cancer Prevention. 21(4):227-234. PUBMED ID: 28053956. (SCOPUS/PUBMED Indexed/H SCI-IF-3.0 Q3 Journal).
6	Sharma S, Verma HN and Sharma NK* . 2014. Cationic bioactive peptide from the seeds of <i>Benincasa hispida</i> . International Journal of peptides. http://dx.doi.org/10.1155/2014/156060 . PMID: 24834076. (SCOPUS/PUBMED/SCIE INDEXED).
5	Sharma NK , Kumar A, Kumar A, Tokar AJ, Waalkes M, Bortner CD, Williams CJ, Mason RP and Sinha BK. 2015. Nitric Oxide Down-Regulates Topoisomerase I and Induces Camptothecin Resistance in Human Breast MCF-7 Tumor Cells. Plos One. DOI:10.1371/journal.pone.0141897 November 5, 2015. 1-20. PUBMED ID: 26540186. (SCOPUS/PUBMED/SCI-IF-3.0, Q1 Journal).
4	Sharma NK , Lebedeva M, Thomas T, Kovalenko O, Stumpf J, Shadel G and Santos J. 2014. Intrinsic DNA ligase III and mitochondrial DNA repair defects in Ataxia Telangiectasia. DNA Repair. 13: 22-31. PUBMED ID: 24342190. (SCOPUS/PUBMED/SCI-IF-4.5, Q1 JOURNAL).
3	Sharma NK , Reyes A, Green P, Caron MJ, Gordon DM, Hunter S, Holt IJ and Santos JA. 2012. Human telomerase works in mitochondria as an hTR independent reverse transcriptase. Nucleic Acids Research. 40(2):712-725. PMID: 21937513. (SCOPUS/PUBMED/SCI-IF-15.0, Q1 JOURNAL).
2	Singh RK, Sharma NK , R. Prasad and Udai P. Singh. 2008. DNA cleavage by Cu(II)-GlyAibHis, a tripeptide complex based on ATCUN motif. Protein and Peptide letters. 15(1):9-13. PMID: 18221007. (SCOPUS/PUBMED/SCI-IF-1.2, Q3 Journal).

1	Sharma NK, Dey S, Prasad R. 2007. <i>In vitro</i> antioxidant potential evaluation of <i>Euphorbia hirta</i> L. plant. Pharmacology Online 1: 91-98. IMPACT FACTOR: 0.5. (SCOPUS INDEXED, SCIMAGO-H Index-20).
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PS: * As Corresponding author

{B}. PUBLICATIONS (PATENT and COPYRIGHTS)

1. **Dr. Nilesh Kumar Sharma.** Ajay Kumar, Amresh Kumar Yadav. 2018. Method for genotoxic and apoptotic compositions of cow urine DMSO fraction towards breast carcinoma. Indian Patent Application No: 201821025084 (2018). Date of filing. 05/07/2018. **Published.** The Patent Office Journal No. 20/2019 Dated 17/05/2019. Page No. 20487. **IN ORDER FOR GRANT.**
2. **Dr. Nilesh Kumar Sharma.** Ajay Kumar, Asawari Waghmode. 2019. Design of vertical tube electrophoretic system and method to fractionate small molecular weight compounds using polyacrylamide gel matrix. Date of Publication: 01/03/2019. (Patent Application Number no: INA 201921000760). Publication Type: INA, The patent official Journal No- 19/2018, Page no-9035. **Grant. No 476225.**
3. **Dr. Nilesh Kumar Sharma.** Ajay Kumar. 2018. "Method of using goat urine DMSO fraction as anti-proliferative and apoptotic cell death compounds against cancer cells and composition thereof". Date of filing 21/12/2018 (Ref. No: 201821048505). The Patent Office Journal No. 18/2019 Dated 03/05/2019 18276. **INA Grant. No 510980.**
4. **Dr. Nilesh Kumar Sharma, Dr. Sachin C. Sarode, Ms. Roshni Pal.** 2019. "A method of urine metabolite profiling by combining vertical tube gel electrophoresis and LC-HR-MS for the detection of oral cancer". Date of filing 2019/05/29. (Ref. No: 201921021395). **Published. Journal Number: 49/2020 Date:04/12/2020. Under examination.**
5. **Dr. Nilesh Kumar Sharma, Dr. Sachin C. Sarode, Mr. Manmohan Mitruka.** "A method to fractionate and analyze metabolome and mineralome from nail materials of OSCC for biomarker discovery". Date of filing 2019/05/04 (Ref. No: 201921017907). **Published. Journal Number: 45/2020 Date:06/11/2020. Under examination.**
6. **Dr. Nilesh Kumar Sharma, Ajay Kumar, Hritik Chandore.** 2020. Methods for novel tripeptides compositions from bovine serum and their binding as agonists of beta2-adrenergic G protein-coupled receptor. Indian Patent Application number: 202021052558. Date of Filing. 02/12/2020. Publication date 01/07/2022. Journal Number-26/2022.
7. **Dr. Nilesh Kumar Sharma, Dr. Sachin C. Sarode Ms. Ariba Nadim.** 2023. A method and process for the milk teeth metabolite profiling (metabopsy) for the detection of inherited metabolic disorders (IMDs). Indian Patent Application number: 202321005866. Date of Filing. 2023/01/30. Publication date: 17/03/2023.
8. **Dr. Nilesh Kumar Sharma, Dr. Sachin C. Sarode, Vaidehi Patel, Ameya Hebale, Haet Kothari, Kratika Khunteta, Atharva Pathak** 2023. A Method And Process For The Development Of Fingernail Impression Technique (FNIT) For Monitoring and Diagnosis of Diseases. Indian Patent Application number: 202321071233. Date of Filing. 19/10/2023. Published. Dated:24/11/2023.
9. **Dr. Nilesh Kumar Sharma, Vaidehi Patel, Priyanka Sonar.** 2023. Translational Aspects of Biotechnology for Diagnosis and Prognosis. Indian Copyright Ref. No L-131743/2023. Date of publishing. 10/08/2023.
10. **Dr. Nilesh Kumar Sharma, Kratika Khunteta.** 2023. Learning Biological Cell and System by simple analogies with Computer Systems including electronic and AI enabled gadgets. Indian Copyright Ref. No L-131845/2023. Date of publishing. 11/08/2023.
11. **Dr. Nilesh Kumar Sharma, Dr. Sachin C Sarode, Priyadarshini Jain.** 2023. New Terms and Definitions in Medical Sciences. Indian Copyright Ref. No L-132396/2023. Date of publishing. 25/08/2023.

12. **Dr. Nilesh Kumar Sharma**, Vaidehi Patel, Priyadarshini Jain, Nistha Ananda, Adri Saha,, Ameya Hebale, Haet Kothari.. 2023. ABC's for beginners in Cancer Biology. Indian Copyright Ref. No L-132814/2023. Date of publishing. 04/09/2023.
13. **Dr. Nilesh Kumar Sharma**, Mr. Atharva Mandar Pathak, Ms. Sneha Chhonkar, Ms. Shreya Baghel, Ms. Saloni Agarwal, Mrs. Dhanashree Bomle 2024. Design and development of electrode device fabricated using plastic ware for the measurement of cell culture conductance. Indian Patent. Under Processing.
14. **Hasmiq Liba Arora, Mansaa Singh, Akshat Aayush, Nilesh Kumar Sharma**. 2024. Idea on post-surgery bio-waste sponges amalgamated with anticancer agents for the management of cancer patients. Indian Copyright. Under Processing.

[C]. PUBLICATIONS: (BOOK/BOOK Chapter, Full Length Conference Proceedings)

1. Priyanka Vijay, Sonar, Sachin C Sarode, **Nilesh Kumar Sharma**. The role of oral cancer heterogeneity in therapies in various cellular and preclinical Models. Book Chapter in Book titled Preclinical cancer models for translational research and drug development Edited by Dr. Arnindam Banerjee and Dr. P. Suresh. Published by Springer. Accepted.
2. Azad K, Devashree J, Shruti Purohit, **Sharma NK***. 2018. "Epigenetic signature in breast carcinoma, A hidden language to dictate against genomic insults" ISBN NO. 1522530851, 9781522530855. Emerging developments and practices in oncology. El Naqa, Issam (University of Michigan, USA), editor, Country of Publication: United States. Publisher: Hershey PA : Medical Information Science Reference. PUBMED ID:101702574 [Book]. **DOI: 10.4018/978-1-5225-3085-5.**
3. **Sharma NK** and Prasad R. 2008. Oxidative protein damage and their inhibition by phenolic acid antioxidants from *Euphorbia hirta* leaves. Journal of Biotechnology. 136S:S717. **(SCOPUS/PUBMED/SCI-IF-2.6).**
4. Green PD, **Sharma NK**, Thomas AP, Bonini M, Santos JA. 2012. Telomerase Regulates the Cellular Response to Oxidative Stress Via Mitochondrial ROS. Free Radical Biology and Medicine. 53, S50. **(SCOPUS/PUBMED/SCI-IF-6.0).**
5. **Nilesh Kumar Sharma***. 2018. Letter To Editor: Vomocytosis, a tool in the hand of macrophage to deal with burdened live pathogens. Scienceadvances. <http://advances.sciencemag.org/content/3/8/e1700898/tab-e-letters>.
6. **Nilesh Kumar Sharma***. 2019. RE: Letter to the Editor: "T cell stemness and dysfunction in tumors are triggered by a common mechanism" Science Online. <https://science.sciencemag.org/content/363/6434/eaau0135/tab-e-letters>.
7. Ajay Kumar, Jainish Kothari, Devyani Bhatkar, Manmohan Mitruka, Roshni Pal, Sachin C. Sarode, **Nilesh Kumar Sharma***. Detection of urinary metabolites of metabolic pathway disorders by using VTGE and LC-HR-MS techniques. DPU's conference: Interdisciplinary Research in Health. August 27th 2019. Conference proceeding paper. doi: <https://doi.org/10.1101/814970>.
8. **Sharma NK**, Dey Sreela, R Prasad. 2008. A chapter "Antioxidants potential of plants and their impact on human health" in book "In Recent Advances in Plant Biotechnology and Its Applications" Ed. by Ashwani Kumar and Sudhir K.Sopory, Publisher I.K. International, New Delhi, Chapter 29. pp 564-580. ISBN: 9788189866099, 8189866095; Edition: 2008.

[D] LIST OF PUBLICATION/ACCESSION IN BIOINFORMATIC DATABASE

<https://pubchem.ncbi.nlm.nih.gov/source/25175>

1. PubChem [Internet]. Bethesda (MD): National Library of Medicine (US), National Center for Biotechnology Information; 2004-. PubChem Substance Record for SID 461473101, SID 461473101, Source: Sharma Lab, Dr. D. Y. Patil Vidyapeeth, Pune, MH, India; [cited 2022 Mar. 9]. Available from: <https://pubchem.ncbi.nlm.nih.gov/substance/461473101>.

2. PubChem [Internet]. Bethesda (MD): National Library of Medicine (US), National Center for Biotechnology Information; 2004-. PubChem Substance Record for SID 461473101, SID 461473101, Source: Sharma Lab, Dr. D. Y. Patil Vidyapeeth, Pune, MH, India; [cited 2022 Mar. 9]. Available from: <https://pubchem.ncbi.nlm.nih.gov/substance/461473101>.
3. PubChem [Internet]. Bethesda (MD): National Library of Medicine (US), National Center for Biotechnology Information; 2004-. PubChem Substance Record for SID 459328304, 4-Hydroxynonenal (4-HNE) Mimetic, Source: Sharma Lab, Dr. D. Y. Patil Vidyapeeth, Pune, MH, India; [cited 2022 Mar. 9]. Available from: <https://pubchem.ncbi.nlm.nih.gov/substance/459328304>
4. PubChem [Internet]. Bethesda (MD): National Library of Medicine (US), National Center for Biotechnology Information; 2004-. PubChem Compound Summary for CID 162421482, 4-Hydroxynonenal (4-HNE) Mimetic; [cited 2022 Mar. 9]. Available from: <https://pubchem.ncbi.nlm.nih.gov/compound/4-Hydroxynonenal-4-HNE-Mimetic>.
5. PubChem [Internet]. Bethesda (MD): National Library of Medicine (US), National Center for Biotechnology Information; 2004-. PubChem Substance Record for SID 461454363, SID 461454363, Source: Sharma Lab, Dr. D. Y. Patil Vidyapeeth, Pune, MH, India; [cited 2022 Mar. 9]. Available from: <https://pubchem.ncbi.nlm.nih.gov/substance/461454363>
6. PubChem [Internet]. Bethesda (MD): National Library of Medicine (US), National Center for Biotechnology Information; 2004-. PubChem Substance Record for SID 85352067, Arg-His-Trp, Source: ChEBI; [cited 2022 Mar. 9]. Available from: <https://pubchem.ncbi.nlm.nih.gov/substance/85352067>.
7. Jainish Kothari, Ajay Kumar, **Sharma NK***. 2019. A submission of Tripeptide metabolite sequence "Cys-Met-Gln". **PubChem CID 138911101**. IUPAC Name: L-cysteinyl-L-methionyl-L-glutamine. Date of Annotation: 06/08/2019. ChEBI ID and Accession No: CHEBI:144427. Source: European BioinformaticsInstitute(EMBLEBI).<https://www.ebi.ac.uk/chebi/searchId.do?chebiId=CHEBI%3A144427&conversationContext=8>.
8. Jainish Kothari, Ajay Kumar, **Sharma NK***. 2019. A submission of Tripeptide metabolite sequence "Lys-Glu-Thr". **PubChem CID 138911103**. IUPAC Name: IUPAC Name : L-lysyl-L- α -glutamyl-L-threonine. Date of Annotation: 06/08/2019. CHEBI ID and Accession No:144459 Lys-Glu-Thr. Source: European BioinformaticsInstitute(EMBLEBI).<https://www.ebi.ac.uk/chebi/searchId.do?chebiId=CHEBI%3A144459&conversationContext=3>.
9. Jainish Kothari, Ajay Kumar, **Sharma NK***. 2019. A submission of Tripeptide metabolite sequence "Lys-Glu-Glu.". **PubChem CID 15431726**. IUPAC Name: L-lysyl-L- α -glutamyl-L-glutamic acid. Date of Annotation: 08/08/2019. ChEBI ID and Accession No: CHEBI:144461. Source: European BioinformaticsInstitute(EMBLEBI).
<https://www.ebi.ac.uk/chebi/searchId.do?chebiId=CHEBI%3A144461&conversationContext=3>.
10. Jainish Kothari, Ajay Kumar, **Sharma NK***. 2019. A submission of Tripeptide metabolite sequence "Gly-Ala-Ala". **PubChem CID 10465927**. IUPAC Name: glycyl-L-alanyl-L-alanine. Date of Annotation: 08/08/2019. ChEBI ID and Accession No: CHEBI:144460. Source: European Bioinformatics Institute (EMBLEBI).<https://www.ebi.ac.uk/chebi/searchId.do?chebiId=CHEBI%3A144460&conversationContext=3>.
11. Jainish Kothari, Ajay Kumar, **Sharma NK***. 2019. A submission of Tripeptide metabolite sequence "Gln-Cys-Cys". **PubChem CID 138911102**. IUPAC Name: glutamyl-L-cystenyl-L-cysteine. Date of Annotation: 08/08/2019. ChEBI ID and Accession No: CHEBI:144458. Source: European Bioinformatics Institute (EMBLEBI).<https://www.ebi.ac.uk/chebi/searchId.do?chebiId=CHEBI%3A144458&conversationContext=2>.

12. Jainish Kothari, Ajay Kumar, **Sharma NK***. 2019. A submission of Tripeptide metabolite sequence "Gln-Lys-Arg". **PubChem CID 139036265**. IUPAC Name: L-glutaminyl-L-lysyl-L-arginine. Date of Annotation: 08/08/2019. ChEBI ID and Accession No: CHEBI:144723. Source: European Bioinformatics Institute(EMBL EBI). <https://www.ebi.ac.uk/chebi/searchId.do?chebiId=CHEBI%3A144723&conversationContext=3>. <https://doi.org/10.13140/RG.2.2.29703.75689>.
13. Jainish Kothari, Ajay Kumar, **Sharma NK***. 2019. A submission of Tripeptide metabolite sequence "Lys-Ser-Trp". **PubChem CID 102301634**. IUPAC Name: L-lysyl-L-seryl-L-tryptophan, CHEBI:144474. Date of Annotation: 08/08/2019. ChEBI ID and Accession No: CHEBI:144474. Source: European Bioinformatics Institute(EMBL EBI). <https://www.ebi.ac.uk/chebi/searchId.do?chebiId=CHEBI%3A144474&conversationContext=3>.
14. Jainish Kothari, Ajay Kumar, **Sharma NK***. 2019. A submission of Tripeptide metabolite sequence "Phe-Arg-Thr". **PubChem CID 138911106**. IUPAC Name: L-phenylalanyl-L-arginyl-L-threonine, CHEBI:144556. Date of Annotation: 08/08/2019. ChEBI ID and Accession No: CHEBI:144556. Source: European Bioinformatics Institute(EMBL EBI). <https://www.ebi.ac.uk/chebi/searchId.do?chebiId=CHEBI%3A144556&conversationContext=3>.
15. Jainish Kothari, Ajay Kumar, **Sharma NK***. 2019. A submission of Tripeptide metabolite sequence "Glu-Glu-Arg". **PubChem CID 138911107**. IUPAC Name: L- α -glutamyl-L- α -glutamyl-L-arginine, CHEBI:144557. Date of Annotation: 08/08/2019. ChEBI ID and Accession No: CHEBI:144557. Source: European Bioinformatics Institute(EMBL EBI). <https://www.ebi.ac.uk/chebi/searchId.do?chebiId=CHEBI%3A144557&conversationContext=3>.
16. Jainish Kothari, Ajay Kumar, **Sharma NK***. 2019. A submission of Tripeptide metabolite sequence "Gly-Arg-Pro". **PubChem CID 71423370**. IUPAC Name: glycyl-L-arginyl-L-proline, Date of Annotation: 08/08/2019. ChEBI ID and Accession No: CHEBI:144473. Source: European Bioinformatics Institute(EMBL EBI). <https://www.ebi.ac.uk/chebi/searchId.do?chebiId=CHEBI%3A144473&conversationContext=3>.
17. Jainish Kothari, Ajay Kumar, **Sharma NK***. 2019. A submission of Tripeptide metabolite sequence "Ser-Trp-Lys". **PubChem CID 139036279**. IUPAC Name: L-seryl-L-tryptophyl-L-lysine, Date of Annotation: 20/09/2019. ChEBI ID and Accession No: CHEBI:144904. Source: European Bioinformatics Institute(EMBL EBI). <https://www.ebi.ac.uk/chebi/searchId.do?chebiId=CHEBI%3A144904&conversationContext=3>.

PAPER PRESENTATION:

1. **Nilesh Kumar Sharma**. An early non-invasive and affordable approach for detection of inherited metabolic disorders (IMDs) among neonates. 13th International Conference on Human Genetics and Genetic Diseases. 25th April. 2023.
2. **Nilesh Kumar Sharma**. Nail metabopsy: An early non-invasive and affordable approach for detection of inherited metabolic disorders (IMDs) among neonates ACS Publications Symposium | Biological and Medicinal Chemistry. Dates: Monday, March 6 - March 8, 2023.
1. Kratika Khunteta. **Nilesh Kumar Sharma**. International Conference on Drug Discovery 2022 (ICDD- 2022) at Goa. Prolylhydroxyproline (Pro-Hyp) predicted as an activator of Phospholipase C- β (PLC- β) and potential link with reduced level in the nail of oral cancer 10th

& 11th November, **2022**. Schrödinger Inc, USA in collaboration with BITS - Pilani Goa Campus. Pilani, Goa, India.

2. Priyadarshini Jain. **Nilesh Kumar Sharma**. Antiproliferative effects of purified metabolites of allates. International Conference on Drug Discovery **2022** (ICDD- 2022) at Goa. 10th & 11th November, 2022. Schrödinger Inc, USA in collaboration with BITS - Pilani Goa Campus. Pilani, Goa, India.
3. Vaidehi Nilesh Patel. **Nilesh Kumar Sharma**. Export of acetylated polyamines by cancer cells led to design mimetic N1-acetylspermidine (MINAS) as a potential HDAC10 inhibitor. International conference on Drug Discovery. 10th & 11th November, **2022**. Schrodinger and BITS Pilani Goa. Pilani, Goa, India
4. Haet Kothari, **Nilesh Kumar Sharma**. Mimetic of ellagic acid as an inhibitor of cSrc kinase. International conference on drug discovery. 10th & 11th November, **2022**. Schrodinger and BITS Pilani Goa. Pilani, Goa, India
5. Karthik Krishnan, Rugwed Kulkarni, **Nilesh Kumar Sharma**. GBU-Ideathon **2022**. 16th June 2022. A non-invasive diagnosis methods and processes for IMDs. Gujarat Biotechnology University in partnership with The University of Edinburgh. Gujarat.
6. Ariba Nadim. Ameya Hebale, Kratika Khunteta, Vaidehi Nilesh Patel, Haet Kothari, **Nilesh Kumar Sharma**. Idea Presentation on FNIT and Nail metabopsy tools for health monitoring. Maharashtra Vidnyan Parishad Science Research Contest – 2022. 29th January, **2023**, Marathi Vidnyan Parishad, Mumbai. Mumbai, India.
7. **Nilesh Kumar Sharma**. Detectison of polyhydroxyproline in the nail of oral cancer patients and predicted as an activator of phospholipase C- β (PLC- β). 2nd International Conference. Cancer. Metastasis. organized as Virtual Event, Innsbruck, Austria, December 13-17, 2021.
8. Ajay Kumar., Jainish Kothari, Seethamma T N, Swati Swami, **Nilesh Kumar Sharma**. Exploring xeno-tumor heterogeneity: A potential source of anticancer agents by using A novel and specifically designed VTGE method Key Note Speaker. International Conference On Advances In Biosciences And Biotechnology - (ICABB), 2021, IIIT, NOIDA. 28th January - 30th January 2021.
9. **Nilesh Kumar Sharma**. Discovery of goat urine tripeptides as anticancer drugs: Assisted by a novel VTGE purification system at National Webinar on Dravyaguna Chintan: Clinical Aspects of Dravya Dr. D. Y. Patil College of Ayurved and Research Centre, Pune. 27/08/2020.
10. Sharma NK. Online Faculty Development Programme (e-FDP) on Pedagogy and Teaching-Learning in the current scenario of COVID-19 pandemic DYPBBI, DPU, Pune 26 Feb,2021 (Friday) to 27 Feb,2021.
11. Devyani Bhatkar, Sarode SC, Sharma NK. Non-invasive and non-conventional biological tissues/materials as potential sources of metabolite biomarkers in cancer Paper Presentation at 2nd Conference in Interdisciplinary Research on Health Sciences, Organized by Dr. D. Y. Patil Vidyapeeth, Pune. 27th-29 Oct. 2020.
12. Ajay Kumar Raj, **Sharma NK***. Goat urine DMSO fraction enriched metabolites serve as a potential anticancer drug option. International Conference On Disease Biology: Diagnostic and Therapeutic, Organized by Savitribai Phule Pune University, Pune-411007, Maharashtra, India. Date 4th To 6th March, 2020.
13. Rushikesh Patel, **Sharma NK***. A study on salivary and urinary metabolite biomarkers in carcinoma assisted by VTGE method. International Conference On Disease Biology: Diagnostic

and Therapeutic, Organized by Savitribai Phule Pune University, Pune-411007, Maharashtra, India. Date 4th To 6th March, 2020.

14. Hritik Chandore, **Sharma NK***. A simple method to determine in vitro cancer cell growth arrest and apoptotic cell death by using VTGE based intracellular and extracellular metabolite profiling. International Conference On Disease Biology: Diagnostic and Therapeutic, Organized by Savitribai Phule Pune University, Pune-411007, Maharashtra, India. Date 4th To 6th March, 2020.
15. Anwesha Dutta, **Sharma NK***. Scope of non-traditional biological samples such as nails and saliva in cancer biomarker discovery. International Conference On Disease Biology: Diagnostic and Therapeutic, Organized by Savitribai Phule Pune University, Pune-411007, Maharashtra, India. Date 4th To 6th March, 2020.
16. Jainish Kothari, **Sharma NK***. Study of potential tripeptide mimetic targeting on c-fos c-jun DNA complex. International Conference On Disease Biology: Diagnostic and Therapeutic, Organized by Savitribai Phule Pune University, Pune-411007, Maharashtra, India. Date 4th To 6th March, 2020.
17. Swati Swami, **Sharma NK***. Anti-cancer pharmaceutical compositions derived from cow urine show breast cancer specific apoptosis and anti-proliferative effects. International Conference On Disease Biology: Diagnostic and Therapeutic, Organized by Savitribai Phule Pune University, Pune-411007, Maharashtra, India. Date 4th To 6th March, 2020.
18. Ajay Kumar, Sheetal Patel, Manmohan Mitruka, Rioshni Pal, Devyani Bhatkar, **Nilesh Kumar Sharma***. A novel and specifically designed VTGE method to detect intracellular and extracellular metabolite alterations. 5th ICTR. 7th To 9th November. 2019. NCCS, Pune
19. Sumitra Choudhary, Ajay Kumar, Asawari Waghmode, Seethama TN, **Nilesh Kumar Sharma***. A study on VTGE based metabolite profiling of MCF-7 cells treated by goat urine DMSO fraction. Technical abstract poster presentation. National Symposium On Recent Advances on Modern Biology and Biotechnology. 14-16th March, 2019. Dr. D. Y. Patil Vidyapeeth, Pune. Best Poster Award and Best Innovation Award.
20. Sheetal Patel, Ajay Kumar, Asawari Waghmode, **Nilesh Kumar Sharma***. A simple method to determine in vitro cancer drug potential and cancer biomarkers by using VTGE based metabolite profiling. Technical abstract poster presentation. National Symposium On Recent Advances on Modern Biology and Biotechnology. 14-16th March, 2019. Dr. D. Y. Patil Vidyapeeth, Pune. Best Poster Award and Best Innovation Award.
21. Roshni Pal, Ajay Kumar, Sachin C. Sarode, **Nilesh Kumar Sharma***. Development of early detection biomarker assay for oral carcinoma. Technical abstract poster presentation. National Symposium On Recent Advances on Modern Biology and Biotechnology. 14-16th March, 2019. Dr. D. Y. Patil Vidyapeeth, Pune.
22. **Nilesh Kumar Sharma***. Complexity and heterogeneity of tumors: therapeutic and prognostic avenues emerge from inter- and xeno-heterogeneity. Oral Presentation. National Symposium On Recent Advances on Modern Biology and Biotechnology. 14-16th March, 2019. Dr. D. Y. Patil Vidyapeeth, Pune.
23. Manmohan Mitruka, **Nilesh Kumar Sharma***. Scope of non-traditional biological samples such saliva and nail in cancer biomarkers discovery. Poster Technical abstract presented. National Symposium On Recent Advances on Modern Biology and Biotechnology. 14-16th March, 2019. Dr. D. Y. Patil Vidyapeeth, Pune.

24. Asawari Waghmode, Shrutika Kavali, Ajay Kumar, Manmohan Mitruka, **Nilesh Kumar Sharma***.. A design of vertical tube gel electrophoresis system and its application in low molecular weight markers analysis from biological samples. CMBC-2019 National conference on Cellular and Molecular Basis of Cancer: Molecules to Mechanics. 07/02/2019 - 09/02/2019. VENU: Department of Commerce, (auditorium) SSPU, Pune.
25. Prajakta Belekar, Roshni Pal, IshitaTandonn, Mamta Shekhawat, Devashree Jahagidar, Sunny Yadav, **Nilesh Kumar Sharma***. Effects of corn-derived small RNAs as pro-apoptotic agents upon cancer cells". CMBC-2019 National conference on Cellular and Molecular Basis of Cancer: Molecules to Mechanics. 07/02/2019 - 09/02/2019. VENU: Department of Commerce, (auditorium) SSPU, Pune.
26. Seethamma T N, Ajay Kumar, Swati Swami, **Nilesh Kumar Sharma**. Short-chain fatty acids from goat urine: A source of apoptotic and anti-proliferative agents". CMBC-2019 National conference on Cellular and Molecular Basis of Cancer: Molecules to Mechanics. 07/02/2019 - 09/02/2019. VENU: Department of Commerce, (auditorium) SSPU, Pune.
27. Ajay Kumar, Vidhi Upadhyay, Amersh Kumar Yadav, **Nilesh Kumar Sharma**. Anticancer pharmaceutical compositions derived from cow urine show breast cancer-specific apoptotic and anti-proliferative effects. CMBC-2019 National conference on Cellular and Molecular Basis of Cancer: Molecules to Mechanics. 07/02/2019 - 09/02/2019. VENU: Department of Commerce, (auditorium) SSPU, Pune.
28. Devashree Jahagirdar, Charusheela R. Gore, Himadri Patel, Kunjal. M. Karia, Ishita Tandon, **Nilesh Kumar Sharma. 2018**. Nextgen genomics, biology and Bioinformatics and technologies conference. Sep. 30 To Oct. 2, 2018. Jaipur, India. Page no 55-56. Poster no-040.
29. **Sharma NK**. 2018. Anti-cancer pharmaceutical compositions of cow urine towards breast cancer and goat urine upon colon cancer: Clues are in their gut microbiotas. National Biomedical Research Competition 2018 at AIIMS, Rishikesh, October. 15, 2018.
30. **Sharma NK**. Existence of chemical languages from dying cancer cells to surviving cancer cells: Live long cellular friend. 7TH FOCUSED MEETING ON CELL SIGNALLING 16 – 17 April 2018. East Midlands Conference Centre, The University of Nottingham, Nottingham, UK.
31. Devashree Jahagirdar¹, Mamta Shekhawat¹, Sunny Yadav¹, Himadri Patel¹, Ishita Tandon¹, **Nilesh Kumar Sharma. 2018**. Cross-cancer cell types and cross-kingdom interference could serve as an avenue in cancer therapeutics. International Congress On Cell Biology-2018. Organized by CCMB, Hyderabad, India (27th Jan-31st Jan. 2018).
32. **Sharma NK** and Pritish Nilendu. Existence of epigenomic hard drive (EHD) imprinting: A black box beyond the biological death of a tumor patient. International Conference on Cancer Epigenetics and Biomarkers. October 26-28, 2017 Osaka, Japan. Arch Can Res. 2017, 5:4. DOI: 10.21767/2254-6081-C1-003.
33. **Sharma NK***. 2017. Tumor heterogeneity driven by sharing genetic and signaling code between microbiota and breast carcinoma. Proceedings on International Conference on Oncology and Cancer Therapeutics. October 30- November 01, 2017 | Chicago, USA. J Med Oncol Ther. 2(3). 47.
34. **Sharma NK*** and Pritish Nilendu. An evidence of black box within cancer patient: epigenomic hard drive (EHD) imprinting. J Cancer Sci Ther 2017, 9:7 (Suppl). DOI: 10.4172/1948-5956-C1-109.

35. **Sharma NK***, Himadri Patel and Devashree Jahagirdar. Modulation of HeLa growth and proliferation by breast carcinoma secreted non-cellular microenvironment. 2nd International Congress on Contemporary Issues in Women Cancers & Gynecologic Oncology. August 29-30, 2017 | London, UK. Gynecol Obstet (Sunnyvale). 2017, 7:9 (Suppl). DOI: 10.4172/2161-0932-C1-019.
36. Shekhawat S, Devashree, Yadav S, **Nilesh Kumar Sharma***. Potential Of Corn Small RNAs To Show Apoptosis In Cancer Cell. I4CM-2017. 07 Sept.-07 Sept. 2017. International Conference of Current Cancer Medicine. Warsaw, Poland. <http://i4cm.net/potential-of-corn-small-rnas-to-show-apoptosis-in-cancer-cell/>
37. **Nilesh Kumar Sharma***. Genetic and epigenetic clues: A promising insights to tame carcinoma drug resistance. Annual Summit on Cell Signaling and Cancer Therapy. Chicago, USA. September 27-28, 2017. J Stem Cell Res Ther. DOI: 10.4172/2157-7633-C1-030. <https://d2cax41o7ahm5l.cloudfront.net/cs/pdfs/cell-signaling-2017-11303-tentative-program.pdf>.
38. **Nilesh Kumar Sharma***. Molecular drivers in epigenetic landscape changes to DNA repair abilities in carcinoma triggering and resistance. 9th Young Investigators meeting, 2017. Organized by BIT, Goa and sponsored from Wellcome trust, UK-INDIA, EMBO AND DBT, New Delhi.06-08, March, 2017.
39. Shruti Purohit, Devashree J, Azad, Ayushi, **Nilesh Kumar Sharma***. 2015. Assessment of temozolomide to generate single strand break during in vitro DNA damage and cancer cell cytotoxicity assay. National Centre for Cell Science, Pune (International Conference on Cancer Research: New Horizons) (19-21st November 2015).
40. Shruti Purohit, Devashree J, Azad, **Nilesh Kumar Sharma***. 2015. Potentials of taming MicroRNA on driver seat to control mitochondrial horses in breast tumor. One day workshop on insights in biology. Jointly organized by Maharashtra Academy of Sciences and CSIR-National Chemical LaboratoryOrganized at NCL, Pune, India. Oct 26. 2015.
41. Devashree Jahagirdar, Shruti P., Ayushi, **Nilesh Kumar Sharma***. 2015. Communication between Breast tumor cells and neighboring cells via packaging and shipping of short RNA. . One day workshop on insights in biology. Jointly organized by Maharashtra Academy of Sciences and CSIR-National Chemical LaboratoryOrganized at NCL, Pune, India. Oct 26. 2015.

DETAILS OF Ph.D/P.G./UG THESIS SUPERVISED:

Summary: Ph.D. Degree (03 Completed, 03 In Progress), PG Degree (15),

UG (B. Tech Biotechnology): 20