



**Centurion  
UNIVERSITY**

*Shaping Lives...  
Empowering Communities...*

**3** GOOD HEALTH  
AND WELL-BEING



# CENTRE FOR MEDICAL DIAGNOSTICS



**(2020 - 2023)**

**RC BOOKLET**

Disseminating Skills and Technology in Health industries...

version 1/2023



## Message from RC Coordinator

On behalf of the Centre for Medical Diagnostics, I am immensely pleased to share the Newsletter of the Centre. The key highlights of the centre are providing healthcare facilities, facilitating training programs to enhance the skills of students, providing specialized advisory services to healthcare institutions/ organizations towards strategic planning, and conducting outreach extension activities for the well-being of the community.

The objective of the centre is in line with Sustainable Development Goal 3 (SDG 3) to ensure healthy lives and well-being of all age groups. The centre emphasizes enhancing patient-centred care, it also embraces technological innovations to improvise its facilities.

All the team members of this centre work collaboratively towards the growth of the centre into varied dimensions of healthcare. We are very delighted in releasing this booklet that reflects our contribution towards the community. Looking forward to venturing into more such activities.

**Dr. Soumya Jal**  
RC Co-ordinator

Centre for Medical Diagnostics



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Your paragraph text

# About us

As a part of Centurion University's attempt to improve health & well-being outcomes, the university facilitates diagnostic services through the Centre for Medical Diagnostics, with the aim of providing appropriate infrastructure, specialized equipment, and trained personnel to conduct a wide range of diagnostic tests. Centre for Medical Diagnostics, as a Centre for Excellence, provides high-end facilities, exceptional expertise, resources and services. It brings together a team of highly skilled and experienced healthcare professionals along with state-of-the-art equipment, advanced technologies, and cutting-edge research and innovation. Community Diagnostic Centre (Registration No. 38/2019/Khordha), the diagnostic service provider of the Centre offers diagnostic tests for monitoring and screening of health conditions at subsidized rates. It provides a continuum of diagnosis, treatment, and follow-up supervision to ensure comprehensive and coordinated management for patients.



# Aim

To disseminate the skills and technology required to provide cutting-edge diagnostic service in the health industry and allied health education

# Objective

01

Enhance the diagnosis of disease using latest equipment at cost effective rate

02

Providing doorstep community service

03

Ensure educational opportunities for development of skills and create industry ready professionals

04

Fulfil rising demand and meet gaps in health sector workforce



# Highlights



## 01 Health care Service

The Centre provides healthcare services for health promotion, emergency response, and mental health support to the members residing within the university, in and around the community.

## 02 Training/ Outreach programs

The centre facilitates training programs for the students to develop the skills they need to succeed, these training sessions are organized with the objective of community engagement, to benefit a wider mass.

## 03 Consultancy

Provisions for specialized advisory services to healthcare institutions/ organizations towards strategic planning, process improvement, and technology implementation for identifying their areas of improvement and implementing solutions is also carried out by the centre.

## 04 Collaborations

Collaborations with hospitals/ diagnostic centres to improve the healthcare service in its periphery. It also collaborates with these organizations to enhance the hands-on training of the students.



# Team members



**Mr. Babu Shankar**  
MD, GT Tech



**Prof. Sunil Ku Jha**  
Dean, SoPAHS



**Ms. M. Sravani**  
CEO, GT Opticals



**Dr. Soumya Jal**  
Coordinator, Center for Medical Diagnostics



**Dr. Prasanta Rath**  
HoD, Dept. of Physics



**Dr. Nooka Raju C.**  
HoD, Dept. of Radiology



**Mr. Syed Raashed Andrabi**  
HoD, Dept. of Anesthesia Technology



**Dr. Monali P. Mishra**  
Associate Prof., Dept. of Clinical Microbiology



**Dr. Bikash Ranjan Sahu**  
Assistant Prof., Dept. of Zoology



**Dr. CVKK Chaitanya**  
Assistant Prof., Dept. of Anesthesia Technology



**Dr. Datta Sai P.**  
Assistant Prof., Dept. of Physiotherapy



**Ms. Sashi S. Tiwari**  
Assistant Prof., Dept. of Radiology



**Mr. S. S. Siva Sagar**  
Assistant Prof., Dept. of Radiology



**Mr. Sourajit Banerjee**  
Assistant Prof., Dept. of Optometry



**Mr. Maid Anwar Bhat**  
Assistant Prof., Dept. of Anesthesia Technology



**Mr. K. V. Kalyan**  
Assistant Prof., Dept. of Anesthesia Technology



**Mr. Aasif Majeed Lone**  
Assistant Prof., Dept. of Radiology



**Mr. N. Dinesh Kumar**  
Assistant Prof., Dept. of Optometry



**Ms. Syama Alana Teja**  
Assistant Prof., Dept. of Optometry



**Ms. Sonalika Mahapatra**  
Teaching Asst., Dept. of MLT



**Ms. Salony S. Pattnaik**  
Teaching Asst., Dept. of Optometry



**Ms. Sushree Swagatika**  
Teaching Asst., Dept. of Optometry



**Mrs. Itishree Mohapatra**  
Tutor, Dept. of EMT



**Mrs. Sangeeta Chhotaray**  
PhD Scholar

# Health care service

Focused on ensuring good health and well being for all, that is critical to Sustainable Development Goal 3



- Easy access to health care
- Health promotion
- Mental Health support
- Emergency response





# Training/ Outreach programs

## Health camps

To reach and serve people in the remote of locations



## Vaccination drive

COVID 19 vaccination for people residing in and around the University campus



## World Skills training

World Skills training to prepare students for the future skills



## Summer internship

Training programs for students within and outside the university. Facilitated training for students from RDWU, TMREIS, etc



## Community outreach

To engage with members of local community and help increase access to healthcare service, information, healthy behavior's, etc  
Free spectacles distribution to ration card holders



Centre for Medical Diagnostics in coalition with **School of Paramedics and Allied Health Sciences** serves as a centre for education and training for students by offering training programs, outreach programs, fellowships, workshops to enhance the skills and expertise in health sector.



# Consultancy

**DIGITAL EYE MITRA  
ASSESSMENT (IN  
COLLABORATION WITH  
ESSILOR AND BABLE)**

**NMDC PROJECT (HEALTH  
CARE TRAINING OF  
STUDENTS FROM  
CHHATTISGARH) IN  
COLLABORATION WITH  
GTET**

**OSDC PROJECT (TRAINING  
OF 60 STUDENTS AS  
COVID WARRIORS FROM  
ODISHA) IN  
COLLABORATION WITH  
GTET**

**DIAGNOSTIC PARTNER  
FOR VISWAS NURSING  
COLLEGE**





# Collaborations



**Manipal  
Hospitals**  
LIFE'S ON 



**ASHWINI**  
GROUP OF HOSPITALS  
empowered to heal...



**LEPRA SOCIETY**



**NIDAN**  
DIAGNOSTIC & RESEARCH CENTRE  
Care with Life Goals



**PROLIFE**  
DIAGNOSTICS  
Your Wellness Companion



**tn**  
Trilochan  
Netralaya



**SANKARA EYE HOSPITAL**



**SWASTHYA SWARAJ SOCIETY**  
A People's Movement For Swaraj In Health



**RUBY**  
EYE HOSPITAL

# Education partners/ Internal collaborators

## Educational Partners

- Essilor
- Mindray

To provide hands-on training and skill development

## Internal Collaborations

### Centre for Drug Design

Independent Ethical Committee (Centurion University of Technology and Management)

### Centre for Edutech & Skilltech

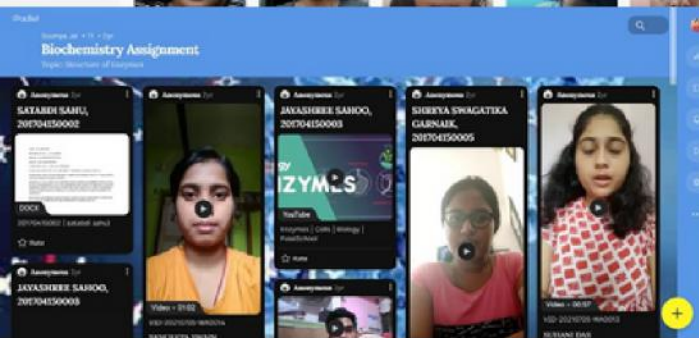
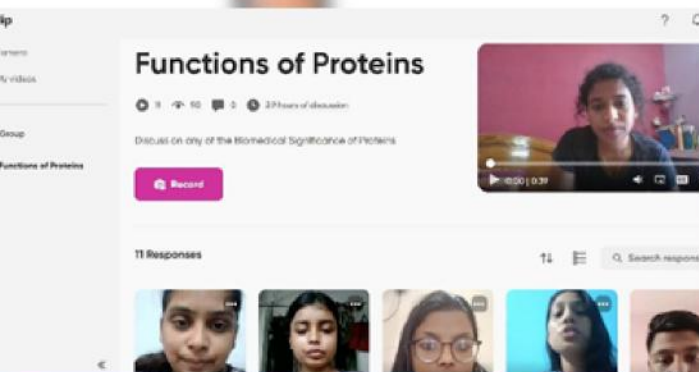
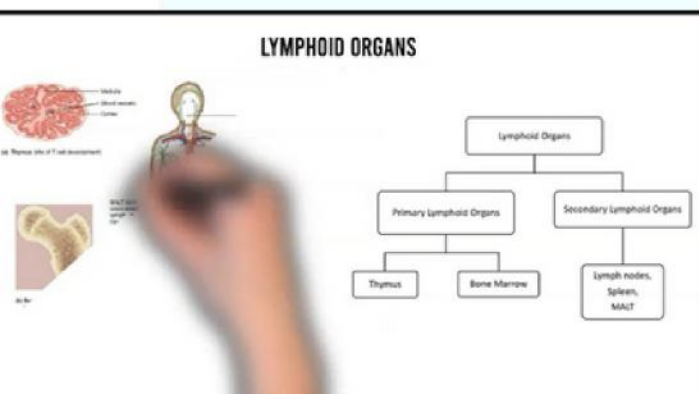
Development of 3D Assets for Anatomy and Physiology





# Competency building

- ✓ BIOVIA training
- ✓ Essilor dispensing lab training
- ✓ Mindray Biochemistry/ Hematology lab training
- ✓ Training on Python programming



- ✓ Training on Doodly
- ✓ Data visualization tools
- ✓ Course development on Udemy
- ✓ Adobe express
- ✓ Classroom engagement using Wakelet, Padlet, Flipgrid



Programme Scheduled on **17th November 2020**  
**SUNDAY**

## One Day Training Program IMPLEMENTATION OF BIOINFORMATICS IN BIOLOGICAL SCIENCES

**GUEST SPEAKER**



**Dr. Santosh Kumar Behera**  
 Scientist,  
 National Institute of Pharmaceutical Education and Research,  
 Ahmedabad, Palaj, Gandhinagar, Gujarat

**Sessions**  
 First session - 10.00 AM - 12.30 PM  
 Second session - 2.00 PM - 4.30 PM

**MODULES**

- ✓ Basics in bioinformatics
- ✓ Drug discovery and Design
- ✓ Protein structure prediction
- ✓ Sequence analysis

**WHO CAN ATTEND?**

- Graduate and Post graduate students
- PhD Scholars
- Faculties from Lifesciences, Biotechnology, Bioinformatics

Registration starts on **17TH NOVEMBER** TO **18TH NOVEMBER**

**ORGANIZED BY**  
**SoPAHS**  
 Bhubaneswar campus

# Workshops & Webinars

Organized By  
**Center for Medical Diagnostics**

**GUEST SPEAKER**



**Dr. Goutam Rath**  
 Professor  
 Department of Pharmacology,  
 Siksha 'O' Anusandhan University,  
 Bhubaneswar

## Webinar ON Art of Writing a Research Proposal

**Registration Link:**  
[https://docs.google.com/forms/d/e/1FAIpQLS72GosKtA\\_Ap155zF1-G1699QK-1Y\\_-PNDWU6ckLch8f0Vaw5om/usp=pp\\_url](https://docs.google.com/forms/d/e/1FAIpQLS72GosKtA_Ap155zF1-G1699QK-1Y_-PNDWU6ckLch8f0Vaw5om/usp=pp_url)

**An Online programme -**

- 📅 Date - Saturday, 19th June, 2021
- 🕒 Time - 4.00 PM to 6.00 PM
- 📞 Meeting ID - 992 8902 2679
- 🔑 Passcode - D0F3eJ

**YOU ARE CORDIALLY INVITED TO COME AND WITNESS THE NATIONAL CONFERENCE OF OPTOMETRY & VISION SCIENCES (NCOVS-2023) ON WORLD OPTOMETRY DAY**

**ORGANISED BY**  
 DEPARTMENT OF OPTOMETRY,  
 SCHOOL OF PARAMEDICS AND ALLIED HEALTH SCIENCES

**MARCH**  
**THURSDAY 23 AT 10 AM 2023**

**VENUE**  
 HALL NO. - 6, ARYABHATTA BUILDING  
 CENTURION UNIVERSITY OF TECHNOLOGY AND MANAGEMENT,  
 BHUBANESWAR, ODISHA

**INVITATION**  
 SCHOOL OF PARAMEDICS AND ALLIED HEALTH SCIENCES  
 Invite you to Join the Seminar observance of

## WORLD HEALTH DAY

Theme of the year  
 World Health Day 2022  
 "People Make the Difference"

**7th APRIL 2022**

**VENUE:** ARYABHATTA BUILDING (SEMINAR HALL-6)  
**TIME:** 10:00 AM - 4:00 PM

**HCG PANDA CANCER HOSPITAL**  
 Caring you with passion

**CANCER AWARENESS PROGRAM**

## CANCER CARE TO CANCER CURE

**GUEST SPEAKER**  
 Dr. Ranajit Kar  
 Sr. Consultant Radiation Oncologist, HCG Panda Cancer Hospital, Cuttack


**DATE:** 30th JANUARY 2023  
**VENUE:** SEMINAR HALL-6, ARYABHATTA BUILDING  
**TIME:** 2:00 - 5:00 PM

School of Paramedics & Allied Health Sciences (SoPAHS)  
 Centurion University of Technology & Management, Bhubaneswar

**SCHOOL OF PARAMEDICS AND ALLIED HEALTH SCIENCES**  
 Celebrates

## World Anaesthesia Day-2022

**Guest Speaker**



**DR. MAMI PARJA**  
 Sr Consultant, Anaesthesia, Health Services, Bhubaneswar  
 (Bhubaneswar, Odisha, India)

**Date:** 17<sup>th</sup> October, 2022  
**VENUE:** Aryabhata Building, Seminar Hall-6  
**TIME:** 10:00 AM - 4:00 PM



# Project

- "Study of Complete and Incomplete fusion reaction using loosely bound projectiles with medium mass Nuclei"

Submitted to : SERB-CRG (Core Research Grant)

File No: SPG/2021/001147

Investigator: : Dr. Prasanta Kumar Rath; Co-investigator:

Dr. Satyanarayan Dhal

Status: Approved (Dec 2020)

Duration 3 yrs (₹ 21,19,832/-)

# Publications

- Das KK, Jha SK, Pattanaik G, NathSharma YP, Behera SK (2020). In Silico Analysis and Network Pharmacology of the Impact of Genes Associated With Multidrug-Resistant Tuberculosis (MDR-TB). World journal of Pharmaceutical Research. 9(7) DOI: 10.20959/wjpr20207-16454
- Chhotaray S, Tripathy M, Jha SK, Prakash KVD, Jal S (2020). Analysis of Binding and Interaction of Phytochemicals from Curcuma longa (Turmeric) against Ulcer: An In silico Virtual Screening Approach. Indian J Nat Sci. 10: 18964-18968.
- Sahoo P, Jha SK, Chakrabarty S (2020). An In-silico Investigation of Phytochemicals from Jasminum grandiflorum (Jasmine) as Anti-Viral Agent against Hepatitis. Indian J Nat Sci. 10:19179-19183.



# Publications

- Chhotaray S, Pattnaik I, Jal S, Bhattacharyay D (2020). An In-silico investigation of phytochemicals from *Brassica juncea* (Mustard) as antibacterial agent against diarrhoea. *Indian J Nat Sci.* 10: 18939-18943.
- Chhotaray S, Jal S, Bhattacharyay D (2020). In-silico Molecular Docking Studies and Activity of Anthraquinone in *Chrysopogon zizanioides* (Vetiver) against Sepsis Caused by *Staphylococcus aureus*. *Indian J Nat Sci.* 10: 18944-18948
- Chhotaray S, Pallavi P, Prakash KVD, Jha SK, Jal S (2020). Evaluation of Phytochemical Compounds from *Curcuma longa* (Turmeric) as a Potential Drug against Sinusitis: An In-silico approach. *Indian J Nat Sci.* 10: 18949-18953.
- Chhotaray S, Jal S, Bhattacharyay D (2020). Evaluating the Effectiveness of Phytochemicals from *Curcuma longa* (Turmeric) against Diarrhoea through In-silico Approach. *Indian J Nat Sci.* 10: 18954-18958.
- Das S, Das D, Panda P, Jal S, Bhattacharyay D (2020). In silico Molecular Docking Studies of Phytochemicals Screened from *Ocimum tenuiflorum* against Enoyl-Acyl Carrier Protein Reductase of *Streptococcus pneumoniae* Causing Sinusitis. *Indian J Nat Sci.* 10: 18959-18963
- Sahoo P, Chhotaray S, Prakash KVD, Jha SK, Jal S (2020). In-silico Molecular Docking Studies and Anti-Microbial Activity of Phytochemicals from *Jasminum sambac* against Gingivitis. *Indian J Nat Sci.* 10: 18969-18973.
- Sahoo P, Tripathy M, Jha SK, Prakash KVD, Jal S (2020). An In silico analysis of Phytochemicals as Antimicrobial Agents from *Pogostemon cablin* against Eczema. *Indian J Nat Sci.* 10: 18974-18978
- Tripathy B, Sahoo E, Ray S, Jal S, Bhattacharyay D (2020). *Trigonella foenum-graecum* Derived Phytochemicals against Tuberculosis. *J Pharmac Res Intern* 32(8): 121-124.
- Dash SK, Ray S, Behera SR, Jal S, Bhattacharyay D (2020). *Michelia champaca* L. Derived Phytochemicals against Peptidase Do of *Bordetella pertussis* Causing Cough. *J Pharmac Res Intern* 32(8): 133-135.



# Publications

- Tripathy B, Jal S, Bhattacharyay D (2020). *Trigonella foenum-graecum* Derived Phytochemicals against Cellulitis. *J Pharmac Res Intern* 32(8):93-95.
- Sahoo S, Palei S, Gouda S, Dash S, Bhattacharyay D (2020). Anti-Malaria Activities of Phytochemicals from *Theobroma cacao*: An In silico Study. *Indian J Nat Sci.* 10: 18983-18987
- Jena P, Behera S, Sahu J, Dash S, Bhattacharyay D (2020). Computer-Aided Investigation of Phytochemicals from *Cuminum cyminum* against *Staphylococcus aureus* based on Molecular Docking Studies. *Indian J Nat Sci.* 10: 19006-19010.
- Chhotaray S, Dash S, Bhattacharyay D (2020). Phytochemical, In silico Evaluation on *Chrysopogon zizanioides* (Vetiver) for Treatment of Urinary Tract Infection (UTI). *Indian J Nat Sci.* 10: 19011-19015.
- Dash S, Dash D, Sahu D (2020). Optical properties and antimicrobial activity of Lanthanum doped metal oxide. *J Xidi Univ.* 14. <https://doi.org/10.37896/jxu14.4/393>.
- Routray A, Bahali S, Chakrabarty S, Bhattacharyay D (2020). In silico Molecular Docking Studies of Phytochemicals Screened from *Nardostachys jatamansi* against Acetoacetyl CoA Reductase of *Candida tropicalis* Causing Candidiasis. *Indian J Nat Sci.* 10: 19016-19020.
- Routray A, Mohapatra A, Palai S, Chakrabarty S, Bhattacharyay D (2020). In silico Molecular Docking Studies of Phytochemicals Screened from *Tagetes erecta* against Isocitrate Dehydrogenase Enzyme of *Staphylococcus aureus* Causing Conjunctivitis. *Indian J Nat Sci.* 10: 19021-19025.
- Palei SS, Gouda S, Sahoo S, Chakrabarty S, Bhattacharyay D (2020). In silico Analysis of Phytochemicals from *Theobroma cacao* against Alcohol Dehydrogenase of *Entamoeba histolytica* sp. causing Dysentery. *Indian J Nat Sci.* 10: 19169-19173.
- Das D, Sahu S, Chakrabarty S, Bhattacharyay D (2020). In silico Molecular Docking Analysis of Phytochemicals from *Syzygium aromaticum* against Infections in Feet Crack Caused by *Trichophyton rubrum*. *Indian J Nat Sci.* 10: 19184-19189.



# Publications

- Sahoo P, Prakash KVD, Chakrabarty S (2020). In silico Molecular Docking Studies of Phytochemicals Screened from Pogostemon cablin Plant Extract against HlyU Enzyme of Vibrio cholerae Causing Cholera. Indian J Nat Sci. 10: 19190-19194.
- Mohapatra A, Chhotaray S, Mishra MP, Bhattacharya D (2020) In silico Molecular Docking Studies of Phytochemicals from Withania somnifera against Shikimate 5-Dehydrogenase of Helicobacter pylori Causing Peptic Ulcer. Indian J Nat Sci. 10: 18998-19001.
- Mohapatra A, Chhotaray S, Tripathy M, Mishra MP, Bhattacharya D (2020) In silico Analysis of Phytochemicals from Withania somnifera against Acnes Vulgaris Caused by Propionibacterium acnes. Indian J Nat Sci. 10: 19174-19178..
- Mohapatra A, Tripathy M, Chhotaray S, Mishra MP, Bhattacharya D (2020) In silico Analysis of Phytochemicals from Withania somnifera against 3- Hydroxyacyl-CoA Dehydrogenase Type-2 of Mycobacterium avium Causing Pulmonary Infections. Indian J Nat Sci. 10: 19002-19005.
- Chhotaray S, Tripathy M, Mohapatra A, Mishra MP, Bhattacharya D (2020) In silico Molecular Docking Studies of Phytochemicals from Chrysopogon zizanioides (Vetiver) against Malaria Parasite. Indian J Nat Sci. 10: 18979-18982.
- Mohapatra A, Routray A, Das D, Mishra MP, Bhattacharyay D (2020) In silico Analysis of Phytochemicals from Tinospora cordifolia against Neisseria gonorrhoeae Causing Gonorrhea. Indian J Nat Sci. 10:18988-18992
- Jha SK, Chakrabarty S (2020) Evaluation of phytochemical compounds from Genus Anogeissus as a potential drug against pyruvate kinase of Staphylococcus aureus: An In-silico approach. Shodh Sarita.7:28.
- Jha SK, Mishra MP (2020) Evaluation of antibacterial activity of phytochemical Cinnamic acid against Shigatoxin of Shigella dysenteriae: An In-silico approach. Shodh Sanchar Bulletin.10:40
- Jal S, Jha SK and Swain P (2020) Prediction of Bioactivity of Components of Curcuma longa against Giardiasis,through In silico Approach. Indian J Nat Sci. 10: 22979-2298.



# Publications

- Tripathy M, Pallavi P, Pattanaik I and Jal S (2020) In silico Antifungal Analysis of Bioactive Compounds from *Syzygium aromaticum* against Vulvo-Vaginal Candidiasis. *Indian J Nat Sci.* 10: 22983-22987
- Tripathy M., Mohapatra A., Sahoo P., Jal S (2020) Evaluation of antifungal activity of phytochemicals screened from *Oreganum vulgare* against vulvo-vaginal candidiasis using molecular docking methodology. *International Journal of Modern Agriculture.* 9: 154-158.
- Tripathy M., Sahoo P., Chhotaray S., Jal S (2020) Prediction of antifungal activity of *Ocimum sanctum* targeting vulvovaginal candidiasis using computational docking techniques. *International Journal of Modern Agriculture.* 9: 148-153.
- Pattnaik I., Pallavi P., Tripathy M., Jal S (2020) Screening through computer aided approach of phytochemicals from *Cinnamomum cassia* targeting Lung Cancer. *International Journal of Modern Agriculture.* 9: 143-147.
- S. Mallick, S. Chakrabarty (2020) Risk of sub-clinical hypothyroidism in pregnant women with asymptomatic autoimmune thyroid disorder. *Shodh Sarita.* 7:28
- S. Chakrabarty, MP Mishra (2020) In silico Molecular Docking studies of phytochemicals screened from *Vaccinium macrocarpon* (Cranberry) against alkaline protease causing UTI in Diabetes mellitus. *Shodh Sanchar Bulletin.* 10:40
- Banerjee R (2020) The Effect Of Various H1 Receptor Antagonist (Antihistamine) On Hydration Of Ocular Surface In Patients Suffering From Allergy. *Bioscience Biotechnology Research Communications.* 13:14.
- S Dash and SK Jha (2021) An In Silico Strategy to Assess the Antibacterial Activity of Phytochemicals from Fenugreek (*Trigonella foenum-graecum*) against *E. coli*. *Indian J Nat Sci.* 12: 34832-34835.
- MP Mishra and SK Jha (2021) Wound Healing Activity of Phytochemical Coumarin against Alkaline Protease from *Pseudomonas aeruginosa*: An In silico Approach. *Indian J Nat Sci.* 12: 34887-34890



# Publications

- S Chhotaray, M Parida and S Jal (2021) In silico Screening of Phytochemicals from *Nigella sativa* for Its Potential Therapeutic Roles Targeting SARS-Co-V-2. *Indian J Nat Sci.* 12: 34876-34880
- S Chhotaray and S Jal (2021) Prediction of Antiviral Activity of *Elettaria cardamomum* Targeting SARS-Co-V-2 using Computational Docking Techniques. *Indian J Nat Sci.* 12: 34933-34938
- MP Mishra and SK Jha (2021) Prevalence of Gram-Negative Uropathogens with Antibioqram Study in a Tertiary Care Hospital in Eastern India. *Indian J Nat Sci.* 12: 34939-34944
- S. Chakrabarty (2021) In silico Molecular Docking Studies of Oleanolic Acid from *Cichorium intybus* (Chicory) against *Yersinia pestis* Causing Plague. *Indian J Nat Sci.* 12: 34949-34954
- S. Chakrabarty (2021) In silico Molecular Docking Study of Chicoric Acid from *Ocimum sanctum* (Tulsi) Working against *Achromobacter xylosoxidans* Causing Bronchitis. *Indian J Nat Sci.* 12: 34993-34998.
- S Chakrabarty, MP Mishra, D Bhattacharyay (2022) Targeting Microbial Bio-film: an Update on MDR Gram-Negative Bio-film Producers Causing Catheter-Associated Urinary Tract Infections. *Applied Biochemistry and Biotechnology.* 194: 1-35 (SCI)
- R Banerjee, S Swagatika (2022) Change in Refraction after one week and one month of phacoemulsification cataract surgery. *Indian Journal of Natural Sciences.* 13: 41185-41194. (WoS)
- S Bhattacharya and MP Mishra (2022) A Mini Review on Classification and Antibacterial Activity of Flavonoids against UTI Pathogens. *Indian Journal of Natural Sciences.* 13: 41125-41129. (WoS)
- SK Jha (2022) Computer-Aided Investigation of Phytochemical Gallic Acid Against Pterin-4 $\alpha$ -Carbinolamine Dehydratase (PDB ID:2V6S) of *Toxoplasma Gondii* Causing Toxoplasmosis. *Indian Journal of Natural Sciences.* 13: 41096-41099. (WoS)



# Publications

- S Chakrabarty (2022) A Short Review on Infectious Disorders: Transmitted through Various Pathway. Indian Journal of Natural Sciences. 13:71. (WoS)
- S Chhotaray, S Jal (2022) Screening through Computer Aided Approach to Evaluate Phytochemicals From *Elettaria cardamomum* Targeting COVID-19 Virus. Indian Journal of Natural Sciences. 13: 41217- 41222 (WoS)
- S Chhotaray, S Jal (2022) A Survey through Python and Machine Learning approaches for predicting Early-Stage Diabetes. Indian Journal of Natural Sciences. 13: 41294- 41300 (WoS)
- SS Tiwari (2022) A Characteristic Chest X-Ray Findings In Diagnosis Of Covid-19. Indian Journal of Natural Sciences. 13: 41043- 41048. (WoS)
- VB Mhalsekar, SS Tiwari (2022) Assess variation of blood pressure during intravenous administration of contrast media in computed tomography. Indian Journal of Natural Sciences. 13: 49725-49727. (WoS)
- DS Pamidimarri (2022) Effects of Aging and Exercises on Fine Motor Skills. Indian Journal of Natural Sciences. 13. (WoS)
- R Banerjee, A Saha, B Saha Debnath (2022). A Review Study On Prevalence Of Refractive Error Among School Going, Pre- School Going And Adults In Urban And Suburban Kolkata. International Journal of Creative Research Thoughts, 10:a481-a487. (UGC-Care)
- S Chhotaray, S Jal (2023). Biosensors: from the Perspective of Sensing Labelled and Unlabelled Targets. Research Journal of Biotechnology. Accepted. (WoS Core)

## Book Published

Aspects of Commonly Prevailing Diseases and their diagnosis (2020). Kindle, Amazon. KDP ISBN-9798554317064. 1-180. (Live)



# Publications

## Book Chapters Published

- Aswinee Kumar Panda; Sunil Kumar Jha; Soumya Jal\* (2020). Clinical Manifestation, Prognosis and Treatment of Rheumatoid Arthritis. Aspects of Commonly Prevailing Diseases and their diagnosis (KDP ISBN-9798554317064). 16-31.
- Susmita Chakrabarty (2020). An Overview of a Chronic Disease: The Diabetes. Aspects of Commonly Prevailing Diseases and their diagnosis (KDP ISBN-9798554317064). 32-66
- Sonali Dash, Sunil Kumar Jha (2020). Corona Virus and its Impact on Global Health Perspective. Aspects of Commonly Prevailing Diseases and their diagnosis (KDP ISBN-9798554317064). 67-84.
- Monali P Mishra, Sunil K Jha (2020). Clinical Manifestations and Laboratory Diagnosis of Tuberculosis. Aspects of Commonly Prevailing Diseases and their diagnosis (KDP ISBN-9798554317064). 85-97.
- ChaitanyaCVKK (2020). Epidemiological investigations of diseases prevailing in Community. Aspects of Commonly Prevailing Diseases and their diagnosis (KDP ISBN-9798554317064). 98-108
- Vinay Dinakaran Mallepudi (2020). Ocular manifestations associated with Diabetes. Aspects of Commonly Prevailing Diseases and their diagnosis (KDP ISBN-9798554317064). 110-115.
- Anuhya Nalluri (2020). Ocular manifestations associated with Thyroid Dysfunction. Aspects of Commonly Prevailing Diseases and their diagnosis (KDP ISBN-9798554317064). 116-120.
- SNS Neelima (2020). Hypertension – Ocular Manifestations. Aspects of Commonly Prevailing Diseases and their diagnosis (KDP ISBN-9798554317064). 121-124.
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# Skill/ Domain courses offered

Domain course

Health Care  
Assistancy



Skill Courses

- Emergency Medical Technology
- Medical Lab Technology
- Operation Theater Technology
- Radiology Technology
- Phlebotomy Technology
- First Aid Service
- General Duty Assistance Service
- x-ray Technology

Development of Qualification Packs (in compliance to NSQF)





# Meetings/ Retreats

## Highlights

- Improve Consultancy activities
- Provide chain Diagnostic facility
- Enhance the ability to address healthcare needs in remote locations
- Widen student's training and outreach programs





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