

## JOHN J. GEORGE



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[PubMed](#)  
[NCBI](#)  
[Google Scholar](#)  
[Clarivate-Web of Science](#)  
[Scopus](#)

[ORCID](#)  
[ResearchGate](#)  
[LinkedIn](#)  
[Vidwan](#)  
[University of North Bengal](#)

### Associate Professor (Academic Level 13A)

~ Teaching ~ Research & Development ~ Academic Administration

#### PROFILE SUMMARY

- Currently serving as an **Associate Professor** at the **Department of Bioinformatics, University of North Bengal**, Raja Rammohunpur, Darjeeling District, West Bengal 734013, India, <https://nbu.ac.in/dept/bioinformatics.aspx>
- *Formerly* associated with **Christ College (Affiliated to Saurashtra University)**, Rajkot, Gujarat, India, as **Assistant Professor (Academic Level 12) & Head** - Dept. of Bioinformatics
- **Best Faculty in Bioinformatics 2020** by William Research Centre, Kanyakumari, Tamil Nadu, India
- **Best Teacher Awardee 2018** (Under Graduate-Life Sciences) by the Gujarat Science Academy, Gujarat, India
- **Visiting researcher** (*December 2018-June 2022*), Department of Computational and Data Sciences, Indian Institute of Science (IISc), Bangalore, <http://cds.iisc.ac.in/>
- **Course Coordinator (PGD. in Computational Biology)** (*2018-19 to 2020-21*) @Christ College, Rajkot, Dept. of Biotechnology (DBT), Govt. of India, <http://www.dbtindia.nic.in/>.
- **Nodal officer: Bioinformatics Lab** (*2017-18 to 2020-21*), @Christ College, Rajkot, Gujarat State Biotechnology Mission (GSBTM), Govt. of Gujarat, <https://btm.gujarat.gov.in/>.
- **Recognized PG Teacher** (*April 2007-February 2021*) of Saurashtra University, Rajkot, Gujarat, India. Approved courses: MSc Biotechnology and MSc Bioinformatics
- **Recognized PhD Guide** (*March 2015-February 2021*) of Saurashtra University, Rajkot, Gujarat, India. Since March 2021, **University of North Bengal**, Darjeeling District, West Bengal 734013  
Specializations: Bioinformatics, Cheminformatics, Biotechnology, Biochemistry, Microbiology, Structural and Molecular Biology, and Medicinal Chemistry.
- **Member, Bioinformatics Board of Studies** (*May 2015- February 2021*), Saurashtra University, Rajkot, Gujarat. [www.saurashtrauniversity.edu/](http://www.saurashtrauniversity.edu/)
- **Since 2019:** Elected as a **Member of Royal Society of Biology, United Kingdom**
- **Since 2019:** Elected as a **Bentham Ambassador (2019-2020)**, Bentham Science Publishers, United Arab Emirates

#### AREAS OF EXPERTISE

A result-oriented professional with over 2 decades of experience in:

Teaching

Research & Development

Liaison & Coordination

Documentation

Student Management

Administration

#### BRANDS WORKED

**University of North Bengal**, West Bengal, India

**Recognized PhD Guide**

**University of Bonn, Germany**

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**Best Teacher awardee**

#### PROFESSIONAL ENHANCEMENT SCHEDULES

**SYMPOSIA/WORKSHOP S/ SEMINARS/ EXPERT TALK: - CONDUCTED/ RESOURCE PERSON**

**Total -71:**

International Level: 04,  
National Level – 49, State level – 8, University / College level - 10

**RESEARCH PAPERS:**  
Citations: 665,  
h-index: 13, i10-index: 16  
**No. of Research Papers: 24**  
**Book Chapters:62**  
**Conference Proceedings: 14**  
**Conference Presentation: 48**  
*International – 32, National – 16*  
**Conference Attended: 54**

**NUCLEOTIDE SEQUENCE SUBMITTED: 7**

- **Registered Master skill Trainer (Registration No: TR42822)** of Life Sciences Sector Skill Development Council (LSSSDC), National Skill Development Corporation (NSDC) under the **Ministry of Skill Development and Entrepreneurship, Govt. of India**, <https://nsdcindia.org/>, <http://www.lsssdc.in/>
- **Registered Master Assessor of skill Development Programs (Registration No: AR9150)** of Life Sciences Sector Skill Development Council (LSSSDC), National Skill Development Corporation (NSDC) under the **Ministry of Skill Development and Entrepreneurship, Govt. of India**. <https://nsdcindia.org/>, <http://www.lsssdc.in/>
- **Teacher Invitee: “85th Annual Meeting of Indian Academy of Sciences, Bengaluru”** on November 08-10, 2019. Venue: University of Hyderabad, Hyderabad, India
- **Resourceful Education Professional** with proven ability to: create and monitor policies and practices that promote a safe learning environment; ensure a culture that encourages continuous improvements for teachers and students
- **The distinction of helping the management by dynamic professional work**, which helped in profitable budgeting without losing the safe and healthy environment
- **Proficiency in handling the administrative activities** entailing event management, faculty appraisal/ training, and upholding the institution’s motto
- Extremely high-energy driven professional with the zeal to make a difference

## CORE COMPETENCIES

### Teaching

- Teaching as per academic curriculum to students, recognizing, respecting & nurturing the creative potential of each student
- Spearheading curriculum planning, professional development; implementing educational programs
- Coordinating with the faculty members for altering the prevailing courses/ curriculum/ syllabus based on the requirements
- Conducting independent research to develop a reliable method for student evaluation of student performance levels to adopt effective strategies that meet the interests & needs of all students

### Research & Development

- Setting up, calibrating, operating and maintaining a variety of laboratory and/or field research equipment as specified by the requirements of the research study
- Maintaining a broad knowledge of state-of-the-art research techniques
- Planning and organizing day-to-day research activities and resolving procedural problems as appropriate to the timely completion of research objectives

### Administration

- Liaising with Education & Government departments for the establishment and smooth running of the institution; managing budgets, advising the Board of Trustees, and ensuring its guidelines are met
- Providing leadership & guidance to the Teaching and Administrative Staff; imbuing discipline in students; reporting to parents on students’ progress.

## WORKING EXPERIENCE

**From June 2004 to February 2021, with Christ College (Affiliated with Saurashtra University), Rajkot, Gujarat, India**

**Assistant Professor (Academic Level 12) and Head of Bioinformatics Department**

### Responsibilities

- Functioning as Head, Dept. of Bioinformatics (Teaching & Research & Administration)
- Monitoring four PhD students, many graduate and postgraduate theses
- Chief Coordinator –Website Committee, Chief Coordinator – Multimedia Committee
- Course Coordinator-Certificate course in Bioinformatics-Databases & Tools
- Former Coordinator of Certificate course in Multimedia and Animation (University Grants Commission (UGC) Sponsored) & Magazine committee

**December 2013 to November 2014 with the University of Bonn, Germany**

**Research Associate - Institute of Biochemistry and Molecular Biology**

*Techniques used for research: Protein assay, Mass spectroscopy, Mass spectrometry data analysis by R language, and various omics tools, which lead to the identification of novel drug targets.*

<https://www.ibmb.uni-bonn.de/research/group-gieselmann/group-winter/group-members>

**June 2000 to July 2002 with CIMA Biochemistry Research Laboratory and Institute, Thanjavur, Tamil Nadu, India**

**Lecturer**

*Module Taught: Clinical Biochemistry*

**June 1994 to May 1997 with St. Mary's Clinical Laboratory, Kanyakumari District, Tamil Nadu, India**  
**Medical Lab Technician**

*Responsibilities: Biochemistry and Microbiological examination of clinical samples*

### **PART-TIME ASSIGNMENTS**

**June 2006 to February 2021 with Saurashtra University, Rajkot, Gujarat, India**

**Visiting Faculty (PhD, M.Phil. and M.Sc. Students)**

*Modules Taught: Bioinformatics (Genomics, Proteomics, and Structural bioinformatics), Biochemistry, Molecular biology, supervised more than 25 master theses*

**June 2010 to February 2021 with the National Institute of Pharmaceutical Education and Research (NIPER), Ahmedabad, Gujarat, India**

**Visiting Faculty (MS-Pharma Students)**

*Modules Taught: Genomics, Proteomics, Structural bioinformatics, Molecular modelling, and drug discovery*

**May 1998 to May 2000 with MVK computerized medical Laboratory, Tamil Nadu, India**

**Medical Lab Technician**

*Responsibilities: Biochemistry and Microbiological examination of clinical samples*

**June 1997 to April 1998 with Mathi Clinical Laboratory, Tamil Nadu, India**

**Medical Lab Technician**

*Responsibilities: Biochemistry and Microbiological examination of clinical samples*

### **ADMINISTRATIVE RESPONSIBILITIES**

- **October 11, 2022 to October 10, 2023: Executive Council Member of the University of North Bengal, Darjeeling District, West Bengal**
- **Since 2022-23: Governing Body member (University representative)** of the Salesian College (Autonomous), Siliguri, West Bengal, India
- **February 28, 2022 to February 27, 2024: Head of the Department of Bioinformatics** at the University of North Bengal, Darjeeling District, West Bengal.  
*Responsibilities: Teaching, Research, and academic administration.*
- **Since 2022-23: External member of the Academic Council**, Salesian College (Autonomous), Siliguri, West Bengal
- **Since June 2022: NAAC Nodal Officer** of the **Department of Bioinformatics** at the University of North Bengal, Darjeeling District, West Bengal.
- **February 28, 2022 to February 27, 2024: Chairman, PG BoS of Bioinformatics** at the University of North Bengal
- **February 28, 2022 to February 27, 2024: Chairman, Departmental Research Committee of Bioinformatics** at the University of North Bengal
- **February 28, 2022 to February 27, 2024: Chairman, Screening Committee for the promotion of faculties of Bioinformatics** at the University of North Bengal
- **Since March 1, 2021: Member, PG BoS of Bioinformatics** at the University of North Bengal
- **September 13, 2023 to September 12, 2025: Member, Code of Conduct Committee** at the University of North Bengal
- **February 28, 2022 to February 27, 2024: Member, Board of Research Studies** at the University of North Bengal
- **February 28, 2022 to February 27, 2024: Member, Faculty Council for PG Studies in Science** at the University of North Bengal.
- **Since September 15, 2022: Member, Institution's Innovation Council (IIC)** at the University of North Bengal.
- **Since September 09, 2023: Member, Startup-Incubation Center Committee** at the University of North Bengal.

- **Since March 1, 2021: Member, Departmental Research Committee of Bioinformatics** at the University of North Bengal
- **December 23, 2022 to December 23, 2024: Member, Library Committee** at the University of North Bengal
- **Since April 6, 2023: Member, Discipline Committee** at the University of North Bengal
- **Course Coordinator** (2018-2021), PGD. in Computational Biology (Sponsored by Dept. of Biotechnology (DBT), Govt. of India)
- **Nodal Officer** (Bioinformatics Lab) (2017-2021), Gujarat State Biotechnology Mission (GSBTM), Govt. of Gujarat

#### **PROFESSIONAL ENHANCEMENT SCHEDULES**

- **Training, Orientation & Refresher Courses Attended (University Grants Commission (UGC) Sponsored and others)**
  1. February 19-28, 2024: Orientation program on “NEP 2020 Orientation & Sensitization Programme” organized by the University of North Bengal, West Bengal, India
  2. October 09-13, 2023: Faculty Development Program on “Innovative Approaches in Drug Discovery; AI Technologies” organized by Anurag University, Hyderabad, Telangana, India.
  3. March 06-18, 2023: Refresher Course on Information and Communication Technology organized by Human Resource Development Centre, University of Hyderabad, Telangana, India.
  4. July 25-29, 2022: Faculty Development Program on “AI and Big Data in Biology, Healthcare and Cancer Research” organized by Marwadi University, Rajkot, Gujarat, India.
  5. July 04-10, 2022: Faculty Development Program on “Meaningful Research & Intellectual Property Rights” organized by Ramanujan College, University of Delhi, India.
  6. March 02, 2021, to March 06, 2021: Faculty Development Program on “Quantum Computing” organized by Jaipur Engineering College and Research Centre, Jaipur, India.
  7. May 14, 2020, to May 20, 2020: 2<sup>nd</sup> Online Short Term Course on E-Content Development” organized by UGC-Human Resource Development Centre, Gujarat University, Ahmedabad, India.
  8. July 22, 2019, to August 2, 2019: Industrial Training Workshop on Computer-Aided Drug Discovery jointly organized by BioTechNika and Schrodinger India.
  9. August 13-18, 2018: Short Time Training Programme (STTP) on QbD: Academic and Industrial Perspective organized by Saurashtra University, Rajkot and sponsored by Gujarat Council on Science & Technology (GUJCOST), Department of Science and Technology (DST), Gujarat, India.
  10. May 15 to 21, 2017: Faculty improvement programme on Excellence in Teaching-Learning Process organized by UGC: Human Resource Development Centre, Saurashtra University, Rajkot, Gujarat, India
  11. November 13 to December 03, 2015: Refresher Course in Life Sciences organized by Human Resource Development Centre, University of Hyderabad, Telangana, India. And obtained “A” Grade
  12. January 27 to February 17, 2010: Refresher Course in Bioinformatics organized by Academic Staff College, University of Kerala, Trivandrum, India. And obtained “A” Grade
  13. March 24 to April 20, 2008: Orientation Course organized by Academic Staff College, Saurashtra University, Rajkot, Gujarat, India
- **Funded Project/ Courses/ Symposia/ Workshop [Total: Rs. 1,53,05,000]**
  1. 2022: University Assistance/Support for the Research Project, University of North Bengal, Sanction order No. 2311/R-2022. Total amount: **Rs. 1,00,000/-**
  2. 2021: University Assistance/Support for the Research Project, University of North Bengal, Sanction order No. 2218/R-2021. Total amount: **Rs. 1,50,000/-**
  3. **2018:** PGD. in Computational Biology, Dept. of Biotechnology (DBT), Govt. of India sponsored. Sanction order No. BT/HRD/01/018/2017. Total amount: **Rs. 1,04,70,000/-**
  4. **2018:** DST-SERB-Teachers Associateship for Research Excellence (TARE), Govt. of India: Sanction order No. TAR/2018/001013. Total amount: **Rs. 18,30,000/-**
  5. **2017:** Establishment of Bioinformatics Laboratory: Sponsored by Gujarat State Biotechnology Mission (GSBTM), Govt. of Gujarat. Hardware & Software Worth: ~ **Rs. 16,00,000/-**
  6. **2017:** Fund received from Gujarat State Biotechnology Mission (GSBTM) (GSBTM/MDTRAE/FSA/2016-17/308 and GSBTM/MDTRAE/FSA/2016-17/672) and Fund received from Department of Science and Technology-Science and Engineering Research Board (DST-SERB) (File No. SSY/2016/000106), Govt. of India for International Science Symposium on Recent Trends in Science and Technology (February 26 & 27, 2017). Total amount: **Rs. 2,00,000/-**

7. **2016:** Fund received from Gujarat Council on Science & Technology (GUJCOST), Department of Science and Technology (DST) for 9th National Level Science Symposium on Recent Trends in Science and Technology (February 14, 2016). Total amount: **Rs. 50,000/-**
8. **2012:** Certificate course in Multimedia and Animation (CoP) (University Grants Commission (UGC) Sponsored): Total amount: **Rs. 7,00,000/-**
9. **2011:** Fund received from Council of Scientific and Industrial Research (CSIR), Indian Council of Medical Research (ICMR) & Dept. of Biotechnology (DBT, Govt. of India) for 2nd national level workshops on Bioinformatics (January 5 & 6, 2011) and Cheminformatics (January 7 & 8, 2011). Total amount: **Rs. 1,75,000/-**

- **SYMPOSIA/WORKSHOPS/SEMINARS/ EXPERT TALK: - CONDUCTED/ RESOURCE PERSON**

- Total - 71: International Level: 04, National Level – 49, State level – 8, University / College level - 10

- **RESEARCH PAPERS: Citations: 665, h-index: 13, i10-index: 16**

- Papers in Journals: 24; Book Chapters: 62; Conference Proceedings: 14
- Papers in Conferences/ Symposia/ Seminars/ etc.: 48: International – 32, National - 16

- **SYMPOSIA/WORKSHOPS/SEMINARS – ONLY ATTENDED**

Total: 54                      International Level: 16                      National Level: 31                      State Level: 07

- **RESEARCH PROJECT (DISSERTATION) GUIDED**

- 114 Undergraduate and 35 Postgraduate Students (Till July 2024)

### **MANUSCRIPT REVIEWER**

- The manuscript reviewer of various journals of the Nature-Springer, Elsevier, Oxford University Press, Taylor & Francis and many other international publishers, which are indexed in ISI Thomson Reuters <https://www.webofscience.com/wos/author/record/K-6234-2016>

### **ACADEMIC DETAILS**

March 2014	<b>PhD – Biotechnology</b> (Full Time) from Saurashtra University, Rajkot, Gujarat, India <u>Core Modules:</u> Bioinformatics, Cheminformatics, Medicinal Chemistry, and Biological confirmation
September 2005	<b>MPhil – Biotechnology</b> (Part-time) from Bharathidasan University, Tiruchirapalli, Tamil Nadu, India with GPA (Percentage): 80.8/100; Rank: Top 2% <u>Core Modules:</u> rDNA technology, Plant & Animal Biotechnology, Research methodology
May 2006	<b>MSc - Bioinformatics</b> (Part-time) from Bharathiar University, Coimbatore, Tamil Nadu, India with GPA (Percentage): 67.4/100; Rank: Top 5% <u>Core Modules:</u> Programming in Visual Basic, RDBMS, C, C++ & Perl, Sequence analysis, Molecular Interactions, Genomics, Proteomics, Systems Biology, Molecular modelling, and computer-aided drug design
April 2004	<b>MSc - Animal Biotechnology</b> (Full Time) from Bharathidasan University, Tiruchirapalli, Tamil Nadu, India with GPA (Percentage): 7.72/10; Rank: Top 2% <u>Core Modules:</u> Biodiversity, Microbiology, Cell & Molecular Biology, Immunology, rDNA technology, Cell & Tissue Culture, Environmental Biotechnology, Analytical Chemistry, Aquaculture technology, Endocrine & reproductive technology, Bioprocess technology, Bioinformatics & Bioethics
April 2000	<b>BSc - Biochemistry</b> (Full Time) from Bharathidasan University, Tiruchirapalli, Tamil Nadu, India with GPA (Percentage): 76.4/100; Rank: Top 5% <u>Core Modules:</u> Chemistry of Biomolecules, Techniques in Biochemistry, Cell Biology, Human physiology, Enzymes, Metabolism, Clinical biochemistry, Pharmaceutical chemistry, Molecular biology, Immunology, Biochemistry of plant and microbes, food & nutrition, Computer science, General chemistry

### **OTHER COURSES (Masters, Bachelors and Diplomas)**

June 2020	<b>Master of Laws (ML) (Specialization: Intellectual Property Law)</b> from Madras University, Chennai, Tamil Nadu, India with GPA (Percentage): 56/100; Rank: Top 10% <u>Core Modules:</u> International Law and Institutions, Introduction to IPR, Law of Patents, Law of Copyrights, Indian Constitutional Law: The New Challenges, Research Methodology and Legal Education, Law of Trademarks, Law of Geographical Indications of Other IPRs, Judicial Process, Law and Social Transformation
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- April 2018 **Bachelor of Laws (LLB)** from Saurashtra University, Rajkot, Gujarat, India with CGPA: 7.21/10; Rank: Top 12%  
Core Modules: Constitutional Law, Law of Torts, Law of Crime, Human Rights Law, Law of Contract, Property Law, Administrative Law, Taxation Law, Labour & Industrial Law, Environmental Laws, Banking Law, Family Law, Jurisprudence, Company Law, Public International Law, Equity Trust, Law of Evidence, and Civil Procedure Code.
- November 2013 **Post Graduate Diploma in Multimedia Technology (PGDMT)** (Part-Time) from Madurai Kamaraj University, Madurai, Tamil Nadu, India with GPA (Percentage): 80.75/100; Rank: Top 2%  
Core Modules: Introduction to Multimedia, Basic Animation Techniques, Audio & Video Editing, Adobe Photoshop, Web Designing, Developing a CBT, 2D Animation, 3D Animation
- April 2004 **Postgraduate Diploma in Bioinformatics** (Full Time) from Bharathidasan University, Tiruchirappalli, Tamil Nadu, India with GPA (Percentage): 80.1/100; Rank: Top 2%  
Core Modules: Statistics, Basic Bioinformatics, Structural Biology, C++, Web design, DBMS, Genomics, Proteomics, Computational Biology, and Molecular Modelling Drug Designing.
- June 1999 **Diploma in Medical Laboratory Technology (DMLT)** (Full Time) from All India Medical Laboratory Technologist Association, New Delhi, India (Affiliated to World Health Organization (WHO)) with GPA (Percentage): 68.55/100; Rank: Top 5%  
Core Modules: Anatomy, Physiology, Biochemistry, Histopathology, Clinical Pathology, Hematology, Blood Banking, Microbiology, Serology

### **OTHER CERTIFICATE COURSES**

- September 2020 **Certificate course on “Comprehensive Online Intellectual Property Rights (IPR)”** from i-HUB (A Gujarat Government Enterprise), Govt. of Gujarat, India
- June 2020 **Journal Citation Reports (JCR)-South Asia Training & certification Program 2020** from Web of Science Group, A Clarivate Analytics Company, USA
- May 2020 **E-Learning Program on “Bioinformatics as Cartographic Tool in Drug Discovery”** from Department of Bioinformatics, Alagappa University, Karaikudi, Tamil Nadu, India
- May 2020 **Massive Open Online Course (MOOC) on “COVID-19: The pandemic”** from RK University, Rajkot, Gujarat, India
- May 2017 **Certificate in Science Journalism (Training Course in Science Journalism)** (Part-Time) from Indian Science Communication Society, Lucknow, Uttar Pradesh, India with Grade B + = 60% to 70%; Rank: Top 5%  
Core Modules: Fundamentals of Science Journalism, Presentation formats of Science Journalism, Techniques of Science Journalism, Mass Media for Science Journalism, Specializations in various fields of Science Journalism.

### **AWARDS/ FELLOWSHIPS RECEIVED**

- **2024: First prize in the oral presentations:** 2nd International Conference on “Emerging Trends & Contemporary Practices (ICETCP)-2024”(February 9 & 10, 2024) by ATMIYA University, Rajkot, Gujarat, India. Sponsored by All India Council for Technical Education (AICTE) & Council of Scientific & Industrial Research (CSIR), Govt. of India.
- **2020: Best Faculty in Bioinformatics** by William Research Centre, Kanyakumari, Tamil Nadu, India
- **Since 2019:** Elected as a **Member of the Royal Society of Biology, UK**
- **Since 2019:** Elected as a **Bentham Ambassador (2019-2020)**, Bentham Science Publishers, United Arab Emirates
- **2018: Best Teacher Award 2018** (Under Graduate-Life Sciences) by Gujarat Science Academy
- **2018: Summer Research Fellowship-2018 (Teacher)** offered by Science Academies’ Summer Research Fellowship Programme for Students and Teachers 2018 (Indian Academy of Sciences, Indian National Science Academy and The National Academy of Sciences, India).
- **2020: First prize in the oral presentations:** 12<sup>th</sup> National Science Symposium (January 19, 2020) organized by Christ College, Rajkot, Gujarat, India. Sponsored by Gujarat State Biotechnology Mission (GSBTM).
- **2016: First prize in the oral presentations:** 9<sup>th</sup> National Level Science Symposium (February 14, 2016) organized by Christ College, Rajkot, Gujarat, India. Sponsored by Gujarat Council on Science & Technology (GUJCOST).
- **2016: First prize in the poster presentations:** 9<sup>th</sup> National Level Science Symposium (February 14, 2016) organized by Christ College, Rajkot, Gujarat, India. Sponsored by Gujarat Council on Science & Technology (GUJCOST).

- **2015: First runner up in the oral presentations:** 8<sup>th</sup> National Level Science Symposium (February 22, 2015) organized by Christ College, Rajkot, Gujarat, India. Sponsored by Gujarat Council on Science & Technology (GUJCOST).
- **2015: First runner up in the poster presentations:** 8<sup>th</sup> National Level Science Symposium (February 22, 2015) organized by Christ College, Rajkot, Gujarat, India. Sponsored by Gujarat Council on Science & Technology (GUJCOST).
- **2010: Best Poster Presentation Award:** International Conference on Genomic Sciences (November 12 – 14, 2010) organized by MKU - Madurai, Biotech Research Society – India, Sponsored by Italian Govt. and Indian Govt.
- **2009: Selected by Govt. of India to attend 2nd Science Conclave: A congregation of Nobel laureates** Organized by MHRD & Dept. of Science and Technology, Gov. of India (December 8 to 14, 2009).
- **2003: Summer Research Fellowship-2003 (Student)** offered by the Indian Academy of Sciences, Bangalore, India.

## IT SKILLS

- Operating systems: MS-DOS, Linux, Windows
- Programming Languages: Java, Python, R
- Web Publishing: HTML, DHTML, Adobe Flash, Photoshop, Corel Draw
- Video Editing: Pinnacle Studio, CyberLink PowerDirector, Corel VideoStudio
- MS-Office, etc.

## PERSONAL DETAILS

Date of Birth: May 05, 1977  
 Nationality: Indian  
 Marital Status: Married  
 Permanent Address: Chempathavilai, Perunchilambu, Velimalai –PO-629164, Kanyakumari Dist, Tamil Nadu  
 Languages Known: English, Tamil, Malayalam, Hindi

**REFER TO ANNEXURE FOR RESEARCH PROJECTS, SYMPOSIA/ WORKSHOPS/ SEMINARS/ EXPERT TALK, RESEARCH PAPERS, MEMBERSHIPS, TECHNIQUES KNOWN and EXTRAMURAL ENGAGEMENTS & ACCOLADES**

# ANNEXURE

## RESEARCH PROJECTS

- 1. University Assistance/Support for the Research Project, University of North Bengal (2022-23)**  
Title: Computational site-directed mutagenesis of thermostable alpha-amylase
- 2. University Assistance/Support for the Research Project, University of North Bengal (2021-22)**  
Title: *In silico* protein engineering of thermostable alpha-amylase
- 3. DST-SERB-Teachers Associateship for Research Excellence (TARE), Govt. of India (December 2018-December 2021)**  
Title: Structural, functional analysis and biological confirmation of thermostable alpha-amylase  
Mentor: **Prof. Debnath Pal**, Professor & Group Leader, Department of Computational and Data Sciences, Indian Institute of Science, Bangalore-560012
- 4. During Summer Research Fellowship-2018 (Teacher) (April-June 2018)**  
Title: In silico approach to identify novel dipeptidyl peptidase-4 (DPP4) and alpha-glucosidase inhibitors for type-2 diabetes  
Mentor: **Dr U. Deva Priyakumar**, Center for Computational Natural Sciences and Bioinformatics (CCNSB), International Institute of Information Technology (IIIT), Hyderabad - 500 032
- 5. During PhD – Biotechnology (2007-2014)**  
Title: Novel Drug Target identification and Rational Drug designing for selected Human Pathogens.  
Mentor: **Dr Valentina V. Umarania**, Head of Department of Microbiology, Matushri Virbaima Mahila Science & Home Science College (Affiliated to Saurashtra University, Rajkot), Rajkot-360 007, Gujarat
- 6. During MPhil – Biotechnology (2004-2005)**  
Title: cDNA synthesis, Cloning, Expression and *in silico* analysis of mutarotase from *Homo sapiens*  
Mentor: **Dr P. Subramanian**, Department of Animal Science, Bharathidasan University, Tiruchirappalli-620 024, Tamil Nadu
- 7. During M.Sc. in Bioinformatics (December 2005-April 2006)**  
Title: Rational Drug Designing to Neutralize the Shigella Like Toxin of *E. coli* 0157H7  
Mentor: **Dr P. Shanmughavel**, Department of Bioinformatics, Bharathiar University, Coimbatore-641046, Tamil Nadu  
**During M.Sc. in Animal Biotechnology**
- 8. MSc Dissertation (December 2003-April 2004)**  
Title: cDNA library construction, sequencing and homology modelling of Hypoxia Inducible Factor 1 Alpha (HIF 1 Alpha) from high altitude Yak (*Bos grunniens*)  
Mentor: **M. A. Qadar Pasha**, Scientist, Lab 510, Institute of Genomics and Integrative Biology, Mall Road, New Delhi- 110 007
- 9. Summer research project (April-May 2003):**  
Title: Molecular Studies of UDP-galactose 4-epimerase from *Saccharomyces cerevisiae* - A bifunctional enzyme with mutarotase Activity in C-terminal part  
Mentor: **Prof. Samir Bhattacharya**, Director, Indian Institute of Chemical Biology (IICB), Jadavpur, Kolkata -700032, West Bengal

## SYMPOSIUMS/WORKSHOPS/SEMINARS/ EXPERT TALK: - CONDUCTED/ RESOURCE PERSON

Total -71: International Level: 04, National Level – 49, State level – 8, University / College level – 10

### International Level

- 1. Judge:** Gujarat State Biotechnology Mission (GSBTM), Govt. of Gujarat sponsored International Symposium on recent trends in Science and Technology organized by Christ College, Rajkot, Gujarat, India, on January 22 and 23, 2022.
- 2. Plenary talk** on “Reverse Pharmacognosy and Reverse Pharmacology Approaches in the Modern Drug Discovery Process” in the Second International Conference on “Conservation of natural resources and traditional Siddha pharmacological approach for your future”, organized by the William Research Centre, Nagercoil, Tamil Nadu, on December 11, 2019.
- 3. Organizing committee member, Coordinator (Website, Online registration, Abstract & Full-length paper):** Gujarat State Biotechnology Mission (GSBTM), Govt. of Gujarat & Science and Engineering Research Board (SERB), DST, Govt. of India sponsored 1<sup>st</sup> International Science Symposium on February 26 & 27, 2017. Organized by Christ College, Rajkot, Gujarat, India



4. **Invited Talk on Modelling of Protein Biopolymers: Methods and Tools:** International Unit on Macromolecular Science and Engineering (IUMSE) sponsored International conference on Macromolecules: Synthesis, Morphology, Processing, Structure, Properties and Applications (ICM-2016). Date: May 13, 14, and 15, 2016. Organized by Mahatma Gandhi University, Kottayam, Kerala, India.

#### **National Level**

1. **Organizing committee member:** Ministry of Education & AICTE, Govt. of India sponsored Celebration of National Start-Up Day: 2024, organised by the Institution's Innovation Council (IIC) and Start-Up-Incubation Center Committee (SICC) of the University of North Bengal on January 16, 2024.
2. **Chief-organizing committee member:** Training Program (Online) on Intellectual Property Rights (IPR), organised by the Dept. of Bioinformatics, University of North Bengal, in collaboration with the Institution's Innovation Council of NBU and IP BRICKLAYER, Gujarat.on February 5-16, 2024.
3. **Resource Person:** Training Program (Online) on Intellectual Property Rights (IPR), organised by the Dept. of Bioinformatics, University of North Bengal, in collaboration with the Institution's Innovation Council of NBU and IP BRICKLAYER, Gujarat.on February 5-16, 2024.
4. **Organizing committee member:** Expert Lecture, organised by the Dept. of Bioinformatics, University of North Bengal, on January 16, 2024.
5. **Convener:** Hands-on Training Program on Computational and Statistical Tools For Applied Genomics, organised by the Dept. of Bioinformatics, University of North Bengal, on September 7-9, 2023.
6. **Resource Person:** Hands-on Training Program on Computational and Statistical Tools For Applied Genomics, organised by the Dept. of Bioinformatics, University of North Bengal, on September 7-9, 2023.
7. **Convener:** One-day National Webinar on Career Opportunities in Bioinformatics, organised by the Dept. of Bioinformatics, University of North Bengal, on July 13, 2023.
8. **Plenary Speaker:** One-day National Webinar on Career Opportunities in Bioinformatics, organised by the Dept. of Bioinformatics, University of North Bengal, on July 13, 2023.
9. **Coordinator:** Expert Lecture, organised by the Dept. of Bioinformatics, University of North Bengal, on December 1, 2022.
10. **Coordinator:** Two-day Online Hands-on Workshop on "Computational Structure-based Drug Design and Molecular Dynamics Simulations" organised by the Dept. of Bioinformatics, University of North Bengal, on September 8 & 9, 2022.
11. **Coordinator:** One day Webinar on "Application of AI and ML in Drug Discovery Advanced tools in Schrödinger Suite" organised by the Dept. of Bioinformatics, University of North Bengal, on August 29, 2022.
12. **Convener:** One-day National Webinar on "Career Opportunities in Bioinformatics" organised by the Dept. of Bioinformatics, University of North Bengal, on April 03, 2022.
13. **Coordinator:** One-day National Webinar on "Bioinformatics Opportunities" organised by the Dept. of Bioinformatics, University of North Bengal, on July 23, 2021.
14. **Plenary Speaker:** One-day National Webinar on "Bioinformatics Opportunities" organised by the Dept. of Bioinformatics, University of North Bengal, on July 23, 2021.
15. **Resource Person:** [Topic: Bioinformatics: A sophisticated research tool for Biologists] Refresher Course in Biological Science (Interdisciplinary), organized by UGC-HRDC – Bharathidasan University, Tiruchirappalli, Tamil Nadu, India, on July 08, 2022.
16. **Convener:** National Webinar on career opportunities in Bioinformatics, organized by the Department of Bioinformatics, University of North Bengal, Darjeeling District, West Bengal, on April 03, 2022.
17. **Guest speaker:** [Topic: Bioinformatics: A holistic science]. Department of Bioinformatics, University of North Bengal, Darjeeling District, West Bengal, organized a "National Webinar on Bioinformatics Opportunities" on July 24, 2021.
18. **Expert talk** on 'Omics' in the Dept. of Biotechnology (DBT, Govt. of India) Sponsored STAR College Scheme (February 20, 2021). Organized by the Department of Microbiology, Christ College, Rajkot, Gujarat, India
19. **Resource Person:** [Topic: Synthetic Biology: Tools and Databases] Refresher Course in Synthetic Biology (ID) for the University and College Teachers, organized by UGC-HRDC – Bharathiar University, Coimbatore, Tamil Nadu, India on February 12, 2021.
20. **Resource Person:** [Topic: Bioinformatics] Gujarat State Biotechnology Mission (GSBTM) sponsored Ten days e-Crash Workshop on National Competitive Examinations for Students of Biotechnology & Allied Life Sciences, organized by Christ College, Rajkot, Gujarat, India, on February 08, 2021.
21. **Resource Person:** [Topic: Preparing for Entrance Examination] Gujarat State Biotechnology Mission (GSBTM) sponsored e-Crash Workshop on National Competitive Examinations for Students of Biotechnology & Allied Life Sciences, organized by Christ College, Rajkot, Gujarat, India, on September 12, 2020.

22. **Invited speaker:** [Topic: Bioinformatics Approaches to Novel Drug Target Identification]. AMITY Institute of Biotechnology, AMITY University Uttar Pradesh, Lucknow, organized a “National Seminar on Application of Bioengineering and Bioinformatics in Health Care: Breakthroughs to miracles” on February 18-19, 2020.
23. **Main Resource Person and Speaker:** [Session 1: Novel Drug Target Identification-Subtractive Genomics Approaches, Molecular Modelling, Session 2: Chemical & Drug Databases, Drawing & Visualization Tools, ADMET] National Workshop on Molecular Docking, organized by the School of Science, RK University, Rajkot, Gujarat on December 22, 2019, sponsored by Gujarat State Biotechnology Mission (GSBTM).
24. **Teacher Invitee:** “85th Annual Meeting of Indian Academy of Sciences, Bengaluru” on November 08-10, 2019. Venue: University of Hyderabad, Hyderabad, India
25. **Expert talk** on ‘Structure and Ligand Based Drug Design Strategies’ in the Dept. of Biotechnology (DBT, Govt. of India) Sponsored National Workshop on Advances in Computer-Aided Drug Design and Discovery (October 17 & 18, 2019). Organized by Christ College, Rajkot, Gujarat, India
26. **Organizing committee member:** Dept. of Science & Technology (DST), Govt. of India sponsored INSPIRE Science Internship Camp on September 24-28, 2019.
27. **Judge:** “National Conference on New Horizons of Biological Sciences” on February 26, 2019. Organized by UGC-CAS Department of Biosciences, Saurashtra University, Rajkot, Gujarat, India
28. **Judge:** Dept. of Biotechnology (DBT), Govt. of India and Gujarat State Biotechnology Mission (GSBTM), Govt. of Gujarat sponsored National Symposium-Atmiya Scitech Utsav-2019 on February 21, 2019. Organized by Shree & N Virani Science College (Autonomous), College, Rajkot, Gujarat, India
29. **Organizing committee member, Coordinator (Website, Online registration, Photo, and Videography):** Gujarat State Biotechnology Mission (GSBTM), Govt. of Gujarat sponsored the 11<sup>th</sup> National Science Symposium on February 03, 2019. Organized by Christ College, Rajkot, Gujarat, India
30. **Organizing committee member:** Dept. of Science & Technology (DST), Govt. of India sponsored INSPIRE Science Internship Camp on July 10-14, 2018.
31. **Resource Person:** [Session handled: Molecular Docking] National level workshops on Computation in Life Sciences (March 25, 2018) organized by Veer Narmad South Gujarat University, Surat, Gujarat.
32. **Organizing committee member & Coordinator of symposium abstract & proceeding preparation:** Gujarat Council on Science & Technology (GUJCOST), Gandhinagar sponsored 10<sup>th</sup> National Science Symposium on Recent Trends in Science and Technology (February 11, 2018). Organized by Christ College, Rajkot, Gujarat, India
33. **Judge:** Poster presentation Competition in UGC Sponsored Seminar on “Recent Advances in Biochemical Research” organized by Dept. of Biochemistry, Saurashtra University, Rajkot, Gujarat on March 04, 2017.
34. **Invited Mentor [Topic: Bioinformatics: A Technology of Tomorrow]:** Dept. of Science & Technology (DST), Govt. of India sponsored INSPIRE Science Internship Camp on October 21-25, 2016 (***Feedback: Above 75 % of Participants appreciated the talk with Excellent***)
35. **Organizing committee member:** Dept. of Science & Technology (DST), Govt. of India sponsored INSPIRE Science Internship Camp on October 21-25, 2016.
36. **Convener & Coordinator (Website, Online registration, Abstract & Full-length paper):** Gujarat Council on Science & Technology (GUJCOST), Gandhinagar, sponsored the 9<sup>th</sup> National Level Science Symposium on February 14, 2016. Organized by Christ College, Rajkot, Gujarat, India
37. **Organizing committee member & Coordinator of symposium proceeding preparation:** Gujarat Council on Science & Technology (GUJCOST), Gandhinagar, sponsored the 8<sup>th</sup> National Level Science Symposium on February 22, 2015. Organized by Christ College, Rajkot, Gujarat, India
38. **Judge:** Poster presentation Competition in UGC Sponsored Seminar on “Recent Advances in Biochemical Research” organized by Dept. of Biochemistry, Saurashtra University, Rajkot, Gujarat on February 14, 2015.
39. **Organizing committee member:** Dept. of Science & Technology (DST), Govt. of India sponsored INSPIRE Science Internship Camp on May 06-10, 2012.
40. **Organizing committee member:** Tech Arena 2012, A National Level Competition organized by Dept. of Computer Applications, Christ College, Rajkot, Gujarat, on January 29, 2012.
41. **Invited Lecture [Topic: Rational Drug Designing]:** Faculty Development programme under the “DBT Star College Scheme” at MG Science Institute, Ahmedabad, Gujarat, on February 11, 2011.
42. **Chairperson:** Council of Scientific and Industrial Research (CSIR), Indian Council of Medical Research (ICMR) & Dept. of Biotechnology (DBT, Govt. of India) Sponsored 2nd national level workshops on Bioinformatics (January 5 & 6, 2011) and Cheminformatics (January 7 & 8, 2011).
43. **Chief Resource Person [Topic: Molecular Modelling]:** Council of Scientific and Industrial Research (CSIR), Indian Council of Medical Research (ICMR) & Dept. of Biotechnology (DBT, Govt. of India) Sponsored 2nd national level workshops on Bioinformatics (January 5 & 6, 2011).

44. **Chief Resource Person [Topic: Docking]:** Council of Scientific and Industrial Research (CSIR), Indian Council of Medical Research (ICMR) & Dept. of Biotechnology (DBT, Govt. of India) Sponsored 2nd national level workshops on Cheminformatics (January 7 & 8, 2011).
45. **Invited Lecture [Topic: Bioinformatics: The emerging field]:** Faculty Development programme under the “DBT Star College Scheme” at MG Science Institute, Ahmedabad, Gujarat, on November 21, 2009
46. **Invited Lecture & Hands-on Training [Module: Rational Drug Designing]:** UGC Career Oriented Programme (COP) in Bioinformatics at MG Science Institute, Ahmedabad, Gujarat, on November 21, 2009
47. **Chairperson [Topic: Bioinformatics]:** National workshop on Bioinformatics organized by Christ College, Rajkot, Gujarat, from September 14 to 16, 2009
48. **Chairperson [Topic: Cheminformatics]:** National workshop on Cheminformatics organized by Christ College, Rajkot, Gujarat, from September 17 to 19, 2009
49. **Resource Person [Topic: Human Genome Project and Bioinformatics]:** Staff Development Programme (Sponsored by AICTE), Periyar Maniammai College of Technology for Women, Thanjavur, Tamil Nadu on 23.06.2006

#### State Level

1. **Coordinator:** Two-day state-level workshop (Hands-on training) on Neo4j: A Graph Platform for Life Scientists. Organized by the Department of Bioinformatics, Christ College, Rajkot, Gujarat on March 03 & 04, 2018
2. **Judge (Spot Photography):** CHRIZELLENZ 2017 (a state-level Inter School Cultural Competition) organized by Christ Institute of Management, Rajkot, Gujarat. Date: December 01, 2017
3. **Convener:** State level Seminar on Structure and Ligand-based Drug Discovery. Organized by Christ College, Rajkot, Gujarat, on September 21, 2017
4. **Coordinator:** Two-day state-level workshop (Hands-on training) on Computer-Aided Drug Discovery. Organized by Christ College, Rajkot, Gujarat, on April 22 & 23, 2017
5. **Sharing Expertise in Ayurinformatics:** State-level Scoping workshop scheme ‘Validating Ayurveda and Herbal medicine for improving human health through Biotech interventions’. Organized by Gujarat State Biotechnology Mission (GSBTM). Gandhinagar. Date: March 15, 2017.
6. **Sharing Expertise in Bioinformatics:** State-level meeting for “Establishment of the network in Computational & Systems biology in State”. Organized by Gujarat State Biotechnology Mission (GSBTM). Gandhinagar. Date: August 06, 2016.
7. **Chairperson:** Seminar on Recent Advances in Bioinformatics organized by Christ College, Rajkot, Gujarat from April 10, 2010
8. **Invited Speaker [Topic: In silico Drug Discovery]:** State Level Seminar on “Recent Advances in Bioinformatics: A novel approach to Drug Discovery” organized by ATMIYA Pharmacy College, Gujarat, on November 20, 2009

#### University / College Level

1. **Invited speaker:** [Topic: Bioinformatics: A sophisticated tool for Biologists]. A two-day workshop on insight to microbiology and its inter-disciplinary fields, organized by North Bengal St. Xavier’s College, Rajganj, West Bengal, on May 11, 2022.
2. **Expert talk** on “Molecular Biology to Systems Biology”. Organized by VVP Engineering College, Rajkot, Gujarat. Date: January 15, 2019.
3. **Judge (Oral Presentation):** Organized by Physics Department, Christ College, Rajkot, Gujarat. Date: January 28, 2019
4. **Staff Coordinator & Judge (Spot Photography):** Yuva Spandan-2017 (College Youth Festival) organized by Christ College, Rajkot, Gujarat. Date: August 2- 5, 2017
5. **Staff Coordinator:** Yuva Spandan-2016 (College Youth Festival) organized by Christ College, Rajkot, Gujarat. Date: August 6 & 7, 2016
6. **Expert talk [Topic: Computer-Aided Drug Discovery]:** Gujarat Technological University, Gandhinagar sponsored Short Term Training Program (STTP) on “Role of Informatics in Modern Life Sciences”. Date: December 17, 2015. Organized by VVP Engineering College, Rajkot, Gujarat
7. **Expert talk [Topic: Bioinformatics: A sophisticated tool for Biologist]:** Gujarat Technological University, Gandhinagar sponsored Short Term Training Program (STTP) on “Role of Informatics in Modern Life Sciences”. Date: December 16, 2015. Organized by VVP Engineering College, Rajkot, Gujarat
8. **Invited Talk [Topic: Research Opportunities in abroad and Role of Computer-Aided Drug Discovery]:** PhD Course work, Dept. of Pharmacy, Saurashtra University, Rajkot, Gujarat. Date: December 13, 2015
9. **Invited Talk [Topic: Role of Computer-Aided Drug Discovery and Research Opportunities in Abroad]:** PhD Course work, Dept. of Pharmacy, Saurashtra University, Rajkot, Gujarat. Date: October 27, 2013
10. **Expert talk [Topic: Bioinformatics-The technology of Tomorrow]:** VVP Engineering College, Rajkot, Gujarat on February 15, 2006

## NUCLEOTIDE SEQUENCE SUBMITTED

Total - 7

<https://www.ncbi.nlm.nih.gov/nucore/?term=George>

## RESEARCH PAPERS

Total - 24

Papers with Impact Factor above 5: 1

Papers with Impact Factor between 2 and 5: 9

Papers with Impact Factor between 1 and 2: 5

Papers with Impact Factor between 1 and 0.1: 4

Papers in UGC Listed Indexed & Reviewed Journals with ISBN/ISSN Number: 5

**Citations: 665, h-index: 13, i10-index: 16**

### Papers with Impact Factor above 5

1. Kamdar JH, Jasani MD, Chandrashekar AB, Janila P, Pandey MK, **George JJ**, Varshney RK and Bera SK. Does improved oleic acid content due to marker-assisted introgression of ahFAD2 mutant alleles in peanuts alter its mineral and vitamin composition? *Frontiers in Plant Science* [ISSN: 1664-462X]: 13:942617 Epub 29 July 2022 PMID: 35968125. <https://doi.org/10.3389/fpls.2022.942617> (JCR IF: 6.627)

### Papers with an Impact Factor between 2 and 5

1. Abouelwafa M, Ibrahim TM, El-Hadidi MS, Mahnashi MH, Owaidah AY, Saeedi NH, Attia HG, **George JJ\***, Mostafa A. Using CADD tools to inhibit the overexpressed genes FAP, FN1, and MMP1 by repurposing ginsenoside C and Rg1 as a treatment for oral cancer. *Frontiers in Molecular Biosciences* [ISSN: 2296-889X]. 2023 Oct 23;10:1248885. PMID: 37936719; PMCID: PMC10627001. <https://doi.org/10.3389/fmolb.2023.1248885> (JCR IF: 5.0)
2. Jayaraman, S., Adhilaxmi Kannan, M., Rajendhran, N., **John, G. J.**, & Ramasamy, T. (2023). Indole-3-acetic acid impacts biofilm formation and virulence production of *Pseudomonas aeruginosa*. *Biofouling* [ISSN: 1029-2454], 39(8), 800–815. PMID: 37853689. <https://doi.org/10.1080/08927014.2023.2269537> (JCR IF: 2.7)
3. Senjaliya, D. P., & **George, J. J\***. (2023). Functional Characterization of *Lactobacillus plantarum* Isolated from Cow Milk and the Development of Fermented Coconut and Carrot Juice Mixed Beverage. *Current Microbiology* [ISSN: 1432-0991], 80(5), 139. PMID: 36920622. <https://doi.org/10.1007/s00284-023-03258-4> (JCR IF: 2.6)
4. Manal A. A. Moustafa and **John J. George\*** (2022). The role of coumarin, hesperitin, and liquiritigenin against oral cancer novel drug target FAP protein. *Annals of Phytomedicine* [Print ISSN: 2278-9839 Online ISSN: 2393-9885] Special Issue 1, AU Pharmacon (TRIPS-2022): S10-S17. <http://dx.doi.org/10.54085/ap.trips.2022.11.1.2>. (JCR IF: 2.7)
5. Moustafa MAA, Nath D, **George JJ**, Chakraborty S. Binding sites of miRNA on the overexpressed genes of oral cancer using 7mer-seed match. *Molecular and Cellular Biochemistry* [ISSN: 0300-8177 (print); 1573-4919 (web)]. 2022 May;477(5):1507-1526. doi: 10.1007/s11010-022-04375-7. Epub 2022 February 18. PMID: 35179676. <https://doi.org/10.1007/s11010-022-04375-7> (JCR IF: 4.3)
6. Okella, H., **George, J. J.**, Ochwo, S., Ndekezi, C., Koffi, K. T., Aber, J., . . . Ogwang, P. E. (2020). New Putative Antimicrobial Candidates: In silico Design of Fish-Derived Antibacterial Peptide-Motifs. *Frontiers in Bioengineering and Biotechnology* [ISSN: 2296-4185], 8, (1369). PMID: 33344436, <https://doi.org/10.3389/fbioe.2020.604041> (JCR IF: 3.644)
7. Sharma A, Dutta P, Sharma M, Rajput NK, Dodiya B, **George JJ**, Kholia T; OSDD Consortium, Bhardwaj A. BioPhytMol: a drug discovery community resource on anti-mycobacterial phytomolecules and plant extracts. *Journal of Cheminformatics* [ISSN: 1758-2946]. 2014 Oct 11;6(1):46. eCollection 2014 Dec. PMID: 25360160, <https://doi.org/10.1186/s13321-014-0046-2> (JCR IF: 3.893)
8. Chirag N. Patel, **John J. George**, Krunal M. Modi, Moksha B. Narechania, Daxesh P. Patel, Frank J. Gonzalez & Himanshu A. Pandya (2018) Pharmacophore-based virtual screening of catechol-O-methyltransferase (COMT) inhibitors to combat Alzheimer's disease, *Journal of Biomolecular Structure and Dynamics* [ISSN: 1538-0254], 36:15, 3938-3957. PMID: 29281938, <https://doi.org/10.1080/07391102.2017.1404931> (JCR IF: 3.107)
9. Soni, R., Durgapal, S. D., Soman, S. S., & **George, J. J.** (2019). Design, synthesis and anti-diabetic activity of chromen-2-one derivatives. *Arabian Journal of Chemistry* [ISSN: 1878-5352], 12(5), 701-708. <https://doi.org/10.1016/j.arabjc.2016.11.011> (JCR IF: 2.969)

### Papers with Impact Factor between 1 and 2

1. Senjaliya, D., & **George, J\***. (2023). Comparative study on biochemical and molecular identification approaches of *Lactobacillus* species. *International Food Research Journal* [ISSN (Online): 2231 7546], 30(5). <https://doi.org/10.47836/ifrj.30.5.03>. (JCR IF: 1.169)
2. Kamdar, J. H., Jasani, M. D., Bera, S. K., & **George, J. J\***. (2020). Effect of selection response for yield related traits in early and later generations of groundnut (*Arachis hypogaea* L.). *Crop Breeding and Applied Biotechnology* [ISSN 1984-7033], 20(2). <https://doi.org/10.1590/1984-70332020v20n2a31> (JCR IF: 1.015)
3. Vaishnav N, Gupta A, Paul S, **John GJ\***. Overview of computational vaccinology: vaccine development through information technology. *Journal of Applied Genetics* [ISSN: 1234-1983]. 2015 Aug;56(3):381-91. PMID: 25534541, <https://doi.org/10.1007/s13353-014-0265-2> (JCR IF: 1.756)
4. **George JJ\***, Umrana VV. Subtractive Genomics Approach to Identify Putative Drug Targets and Identification of Drug-like Molecules for Beta Subunit of DNA Polymerase III in *Streptococcus* species. *Applied Biochemistry and Biotechnology* [ISSN: 0273-2289]. 2012 Jul; 167(5):1377-95. PMID: 22415782, <https://doi.org/10.1007/s12010-012-9620-0> (JCR IF: 1.797)
5. John L, **John GJ**, Kholia T. A Reverse Vaccinology Approach for the Identification of Potential Vaccine Candidates from *Leishmania* spp. *Applied Biochemistry and Biotechnology* [ISSN: 0273-2289]. 2012 Jul; 167(5):1340-50. PMID: 22434357, <https://doi.org/10.1007/s12010-012-9649-0> (JCR IF: 1.797)

### Papers with Impact Factor between 1 and 0.1

1. Parmar, D. V., Umrana, V. V., **George, J. J.**, Vishwakarma, N. P., & Sayyed, R. (2020). Antibacterial Resistance Trend in Urinary Tract Infections and Their Control at a Tertiary Care Hospital in the Saurashtra Region of Gujarat, India. *Biosciences Biotechnology Research Asia* [ISSN: 0973-1245]. 17(2), 293-299. <http://dx.doi.org/10.13005/bbra/2833> (SJR IF: 0.136)
2. Borad MA, Bhoi MN, Rathwa SK, Vasava MS, Patel HD, Patel CN, Pandya HA, Pithawala EA, **George JJ**. Microwave-Assisted ZrSiO<sub>2</sub> Catalyzed Synthesis, Characterization and Computational Study of Novel Spiro[Indole-Thiazolidines]Derivatives as Anti-tubercular Agents. *Interdisciplinary Sciences: Computational Life Sciences* [ISSN: 1867-1462]. 2018 Jun;10(2):411-418. PMID: 27837427, <https://doi.org/10.1007/s12539-016-0195-2> (JCR IF: 0.796)
3. **John J George** and Valentina Umrana, *In silico* identification of putative drug targets in *Klebsiella pneumonia* MGH78578, *Indian Journal of Biotechnology* [ISSN: 0972-5849]. Vol 10, October 2011, pp 432-439. <https://doi.org/10.5281/zenodo.4398378> and <http://nopr.niscair.res.in/handle/123456789/12980> (JCR IF: 0.477)
4. Hetal.U, Megha.K.P, **John J, George**, Paul.S and Singh.S.P, HaloBase: Development of Database System for Halophilic Bacteria and Archaea with respect to Proteomics, Genomics & other Molecular Traits, *Journal of Scientific and Industrial Research* [ISSN: 0022-4456]. Vol.70, November 2011, PP. 976-981. <https://doi.org/10.5281/zenodo.4398512> and <http://nopr.niscair.res.in/handle/123456789/12969> (JCR IF: 0.534)

### Papers in UGC Listed Indexed & Reviewed Journals with ISBN/ISSN Number

1. Sourav, S., Debabrata, M., Md Salman, H., **John Johnros, G.**, & Soumen, B. (2023). Exploring the Ameliorative Role of *Equisetum diffusum* D. Don Whole-Plant Methanolic-extract in Acute Inflammation and Molecular Docking Analysis of GC-MS-identified Phytocompounds with Few Prominent Inflammatory Markers/Cytokines for Inspecting the Potent. *Pharmacognosy Research* [ISSN: Print -0976-4836, Online - 0974-8490], 16(1). <https://doi.org/10.5530/pres.16.1.11> (JCR IF: Emerging Sources Citation Index (ESCI))
2. Vakhariya Sakina S, Saurav Kumar Mishra, Kanchan Sharma and **John J. George\*** (2023). Designing of a novel curcumin analogue to inhibit mitogen-activated protein kinase: A cheminformatics approach. *Journal of Phytanotechnology and Pharmaceutical Sciences* [ISSN: 2583-0376], 3(1):37-47. <http://dx.doi.org/10.54085/jpps.2023.3.1.5>
3. Atman Vaidya, Varun S Nair, **John J. George**, Singh S. P. (2018). Comparative Analysis of Thermophilic Proteases. *Research Journal of Life Sciences, Bioinformatics, Pharmaceutical and Chemical Sciences* [E-ISSN: 2454-6348], 04(06), 65-91. <https://www.doi.org/10.26479/2018.0406.06>
4. Joseph VA, **George JJ**, Pandya JH & Jadeja RN (2015). O-Vanillin and Some of its Novel Schiff Bases: A Cheminformatic Approach to Identify their Biological Functions. *Journal of Theoretical & Computational Science* [ISSN: 2376-130X]. 2, 136. <https://www.doi.org/10.4172/2376-130X.1000136>
5. Rohitkumar Kotadiya, **John J. George\***. *In silico* approach to identify putative drugs from natural products for human papillomavirus (HPV), which cause cervical cancer. *Life sciences leaflets* [ISSN: 2277 - 4297]. 2015 April 1; Vol. No. 62; Page 1-13. <https://doi.org/10.5281/zenodo.4398834> (NAAS IF: 3.98)

Total - 62

Published as Book Chapter in Edited Book: 12

1. Harshnad Maru, Kanchan Sharma, Saurav Kumar Mishra, **George John J\*** (2023). A Comprehensive Review of Ethnomedical Uses, Phytochemical Studies, and Properties of Holy Basil (*Ocimum sanctum* Linn.). In N. Radhakrishnan, S. Vasantha, & A. Pandurangan (Eds.), *Pharmacological Benefits of Natural Agents* (pp. 49-68). IGI Global. <https://doi.org/10.4018/978-1-6684-6737-4.ch004>  
ISSN: ISBN13: 9781668467374; EISBN13: 9781668467381  
Book Chapter: <https://www.igi-global.com/gateway/chapter/327302>  
Book: <https://www.igi-global.com/gateway/book/303948>
2. Hirva Jiteshbhai Mehta, Saurav Kumar Mishra, Kanchan Sharma, **George John J\*** (2023). Phytochemical Studies of *Piper nigrum* L: A Comprehensive Review. In N. Radhakrishnan, S. Vasantha, & A. Pandurangan (Eds.), *Pharmacological Benefits of Natural Agents* (pp. 31-48). IGI Global. <https://doi.org/10.4018/978-1-6684-6737-4.ch003>  
ISSN: ISBN13: 9781668467374; EISBN13: 9781668467381  
Book Chapter: <https://www.igi-global.com/gateway/chapter/327301>  
Book: <https://www.igi-global.com/gateway/book/303948>
3. Johny, Anoop, Saurav Kumar Mishra, and **George John J\*** (2023). Pharmacological Effects of Bioactive Compounds from *Allium sativum*. In N. Radhakrishnan, S. Vasantha, & A. Pandurangan (Eds.), *Pharmacological Benefits of Natural Agents* (pp. 13-30). IGI Global. <https://doi.org/10.4018/978-1-6684-6737-4.ch002>  
ISSN: ISBN13: 9781668467374; EISBN13: 9781668467381  
Book Chapter: <https://www.igi-global.com/gateway/chapter/327300>  
Book: <https://www.igi-global.com/gateway/book/303948>
4. **George John J.**, Chhatrodiya, D. J., Kamdar, J. H., Kapadiya, K. M., & Jasani, M. D. (2023). Anti-Cancer Properties of Medicinal Herbs and Their Phytochemicals: A Systematic Review. In N. Radhakrishnan, S. Vasantha, & A. Pandurangan (Eds.), *Natural Products as Cancer Therapeutics* (pp. 35-55). IGI Global. <https://doi.org/10.4018/979-8-3693-0703-8.ch003>  
ISBN13: 9798369307038; EISBN13: 9798369307052  
Book Chapter: <https://www.igi-global.com/gateway/chapter/329154>  
Book: <https://www.igi-global.com/gateway/book/324094>
5. Vinjoda, P., Mishra, S. K., Sharma, K., & **George, J. J\***. (2023). In silico identification of novel drug target and its natural product inhibitors for herpes simplex virus. In M. Kaneria, K. Rakholiya, & C. Egbuna (Eds.), *Nanotechnology and In Silico Tools* (pp. 377-383). Elsevier. <https://doi.org/10.1016/B978-0-443-15457-7.00007-1>  
ISBN: 978-0-443-15457-7  
Book Chapter: <https://www.sciencedirect.com/science/article/abs/pii/B9780443154577000071>  
Book: <https://www.sciencedirect.com/book/9780443154577/nanotechnology-and-in-silico-tools>
6. Solanki, J., & **George, J. J\***. (2023). Comprehensive resources for ligand-based drug discovery. In M. Kaneria, K. Rakholiya, & C. Egbuna (Eds.), *Nanotechnology and In Silico Tools* (pp. 349-356). Elsevier. <https://doi.org/10.1016/B978-0-443-15457-7.00018-6>  
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10. Varghese Jibin and **George John J\*** (2020). An *In Silico* Approach for Function Prediction of Hypothetical Proteins of *Listeria monocytogenes*. In Proceedings of National Conference on Innovations in Biological Sciences (NCIBS) 2020. April 12, 2020, Rajkot, India (ISBN: 978-93-5407-322-9). Elsevier-Biology Research Network (BioRN) pp.457-489. Available at SSRN: <https://ssrn.com/abstract=3574593> or <http://dx.doi.org/10.2139/ssrn.3574593>
11. George Rija and **George John J\*** (2020). Thermostable Alpha-Amylase and Its Activity, Stability and Industrial Relevance Studies. In Proceedings of National Conference on Innovations in Biological Sciences (NCIBS) 2020. April 12, 2020, Rajkot, India (ISBN: 978-93-5407-322-9). Elsevier-Biology Research Network (BioRN) pp.490-501. Available at SSRN: <https://ssrn.com/abstract=3574597> or <http://dx.doi.org/10.2139/ssrn.3574597>
12. Thomas Sneha and **George John J\*** (2020). Stability, Applications and Computational Studies of Thermophilic DNA Polymerase. In Proceedings of National Conference on Innovations in Biological Sciences (NCIBS) 2020. April 12, 2020, Rajkot, India (ISBN: 978-93-5407-322-9). Elsevier-Biology Research Network (BioRN) pp.502-513. Available at SSRN: <https://ssrn.com/abstract=3574599> or <http://dx.doi.org/10.2139/ssrn.3574599>
13. **John J George** and Solanki Jaykishan and Varghese, Jibin and Patel, Zalak and H. Patel, Ashutosh, In Silico Approach for the Identification of Potential Phytochemical Inhibitors of B-RAF in Papillary Thyroid Cancer (February 6, 2020). In Proceedings of International Conference on Drug Discovery (ICDD) 2020. Available at SSRN: <https://ssrn.com/abstract=3533149>
14. **John J George** and Savaliya Mallika and Gohil, Asha, Computer-Aided Drug Discovery of P21 Activated Kinase 1 Protein of Hepatitis C (February 6, 2020). In Proceedings of International Conference on Drug Discovery (ICDD) 2020. Available at SSRN: <https://ssrn.com/abstract=3533253>

#### PRESENTED IN CONFERENCES (Oral/Poster)

**Total -48      International: 32      National: 16**  
 Regional/State level: 0      Local-University / College Level 0

#### International

1. Saurav Kumar Mishra, Sneha Roy, Tabsum Chhetri, **John J. George\***, The Identification of potential inhibitors from *Dodonaea viscosa* targeting dengue virus NS5 methyltransferase: An in silico and molecular docking approach, The 3rd International Electronic Conference on Biomolecules. (23–25 April 2024) (Online). Organized by MDPI open-access journal Biomolecules (ISSN: 2218-273X, Impact Factor 5.5) (Poster Presentation)
2. Dimple K. Kachhadiya, Khoiwal Pooja, Saurav Kumar Mishra, **John J. George\***, In silico based identification of novel inhibitors for selected MDR protein from *Shigella* species; A validation through molecular docking analysis, 2nd International Conference on “Emerging Trends & Contemporary Practices (ICETCP)-2024”(February 9 & 10, 2024) organized by ATMIYA University, Rajkot, Gujarat, India. Sponsored by All India Council for Technical Education (AICTE) & Council of Scientific & Industrial Research (CSIR), Govt. of India. **(First prize in the oral presentations)**

3. Angelin George, Saurav Kumar Mishra, **John J. George\***, *In silico* molecular docking studies on potential drug target NS 2 B/NS 3 protease of dengue virus type 2, International Conference on New Horizons in Biotechnology (NHBT 2023). (November 26-29, 2023) at CSIR-NIIST, Thiruvananthapuram, India. Jointly Organized by The Biotech Research Society, India (BRSI) (Oral Presentation)
4. S. Vakhariya Sakina, S.K. Mishra, **J.J. George\***, Identification of novel curcumin analogues to inhibit mitogen-activated protein kinase 1 using in silico combinatorial library design and molecular docking approach; A Bioinformatics approach, International XXIX Symposium on "Bioinformatics and Computer-Aided Drug Discovery" (September 18-20, 2023) organized by Institute of Biomedical Chemistry, Moscow. Sponsored by the Russian Academy of Sciences, Ministry of Science and Higher Education of the Russian Federation, Institute of Biomedical Chemistry, and Shemyakin-Ovchinnikov Institute of Bioorganic Chemistry of the Russian Academy of Sciences. (ISBN: 978-5-900760-19-3, DOI: 10.18097/BCADD2023) (Oral Presentation)
5. Kanchan Sharma, Fatema E. Laxmidhar, **John J. George\***, Identification of target and inhibitor for Lymphatic Filariasis: A Bioinformatics approach, International Conference on "Advances in Plants, Microbes and Agricultural Sciences" (March 2-4, 2023) organized by Department of Botany, University of North Bengal, India. Sponsored by DBT & DST-SERB (Govt. of India). (ISBN: 978-93-5786-344-5) (Oral Presentation)
6. Saurav Kumar Mishra, **John J. George\***, Designing of a multi-epitope based peptide vaccine against monkeypox virus: Immunoinformatics approach, 45th All India Cell Biology Conference & International symposium on "Biology of development and disease" (January 20-22, 2023) organized by Cytogenetics Laboratory, Department of Zoology, BHU. Varanasi, India
7. **John J. George\***, Alex Sunny, Saurav Kumar Mishra, Kanchan Sharma, An explicit *in silico* approach for functional annotation of hypothetical proteins from *Methanopyrus kandleri* AV19, International Conference on Biotechnology, Sustainable Bioresources and Bioeconomy (BSBB-2022). (December 7-10, 2022) at Indian Institute of Technology, Guwahati, India. Jointly Organized by The Biotech Research Society, India (BRSI) (Poster & Flash Presentation)
8. **John J. George\***, Vakhariya Sakina S, Saurav Kumar Mishra, Kanchan Sharma, Designing of a novel Curcumin Analog to inhibit MAPK 1 and MAPK 3: A Cheminformatics Approach, 27th ISCB International Conference (ISCB-2022). (November 16–19, 2022) at Department of Chemistry, Birla Institute of Technology, Mesra, Ranchi, India. Jointly Organized by the Indian Society of Chemists & Biologists (ISCB) (Oral Presentation)
9. Disha P. Senjaliya and **John J. George\***, Evaluation of probiotic properties of *Lactobacillus pentosus* isolated from cow milk, Annual International Conference of AMI – 2021 on Microbial World: Recent Developments in Health, Agriculture and Environmental Sciences (February 03 - 05, 2021) at Delhi University, India. (Poster Presentation)
10. **John J. George\***, Pharmacognosy of *Catharanthus roseus*, Indo-UK Virtual Conference on 'Current Innovations and the Future of Therapeutic Developments' (June 01 – 03 2020) at Vellur Institute of Technology (VIT), Tamil Nadu, India. (Poster Presentation)
11. **John J George\*** & Jeba Praba, Teaching Biology without harm, 3<sup>rd</sup> International Conference on Emerging Global Trends in Humanities, Science, Technology, Commerce & Management Education (ICEGTE-2018) (March 23 & 24, 2018) at Christ Campus, Rajkot, Gujarat, India. (Oral Presentation)
12. Manal Abouelwafa and **John J George\***, Ebola virus and its potential drug targets, International Science Symposium on Recent Trends in Science and Technology. February 26 & 27, 2017 at Christ College, Rajkot, India. (Oral Presentation)
13. **John J George\***, Identification of Novel Drug Targets through subtractive genomics approach, 23<sup>rd</sup> ISCB International Conference (ISCB-2017) on Interface of Chemical Biology in Drug Research (February 08 – 10, 2017) at SRM University, Chennai, Tamil Nadu, India. (Oral Presentation)
14. **John J George\***, *In silico* approach for the identification of potential drug-like phytochemicals of Focal Adhesion Kinase (FAK), International Conference on Current Trends in Biotechnology (ICCB-2016) (December 08 – 10, 2016) at VIT University, Vellore, Tamil Nadu, India.
15. **John J George\*** and Valentina Umrana, An *In silico* approach for the identification of potential drug targets and its inhibitors for *Staphylococcus* species, International Conference on Industrial Biotechnology (ICIB-2012) (November 21 – 23, 2012) at Punjabi University, Patiala, Punjab, India.
16. Nishith Vyas, Sonali DS, Trupti Kholia, **Georrgge JJ\***, Discovery of novel drugs by 2DQSAR, Docking and ADME studies of PTP1B inhibitors, International Conference on Industrial Biotechnology (ICIB-2012) (November 21 – 23, 2012) at Punjabi University, Patiala, Punjab, India.
17. Bansri S. Thakker, Kajal S. Thakkar, Trupti Kholia, Jeba Praba, **Georrgge JJ\***, dbVBM: Database for Vitamins and BioMinerals, International Conference on Industrial Biotechnology (ICIB-2012) (November 21 – 23, 2012) at Punjabi University, Patiala, Punjab, India.
18. Janki AM, **Georrgge JJ\***, Trupti Kholia, Identification of novel drug targets and its inhibitors from essential genes of human pathogenic gram-positive bacteria, International Conference on Industrial Biotechnology (ICIB-2012) (November 21 – 23, 2012) at Punjabi University, Patiala, Punjab, India.

19. Aparna PB, Mittal Naghera, **George JJ\***, Trupti Kholia, Functional annotation of hypothetical proteins of *Listeria Monocytogenes* EGD-e, International Conference on Industrial Biotechnology (ICIB-2012) (November 21 – 23, 2012) at Punjabi University, Patiala, Punjab, India.
20. Hardik Sorathiya, Jay Raichura, Nishita NV, Trupti Kholia, **George JJ\***, Function prediction of hypothetical proteins of *Mycobacterium laprae*, International Conference on Industrial Biotechnology (ICIB-2012) (November 21 – 23, 2012) at Punjabi University, Patiala, Punjab, India.
21. Nishita NV, Pratiksha Suvagiya, Trupti Kholia, **George JJ\***, Study of SNP analysis, docking, primer and probe designing of CYP2D6 gene, International Conference on Industrial Biotechnology (ICIB-2012) (November 21 – 23, 2012) at Punjabi University, Patiala, Punjab, India.
22. Vibhuti VI, Densi Baldev, Trupti Kholia, **George JJ\***, Phytochemicals as a drug for Alzheimer's disease: An *in silico* approach, International Conference on Industrial Biotechnology (ICIB-2012) (November 21 – 23, 2012) at Punjabi University, Patiala, Punjab, India.
23. Dhruvi RM, Asha Gohil, **George JJ\***, Trupti Kholia, An *in silico* approach for Molecular Modeling, Docking and ADME studies of p21 Activated Kinase 1 protein of Hepatitis C, International Conference on Industrial Biotechnology (ICIB-2012) (November 21 – 23, 2012) at Punjabi University, Patiala, Punjab, India.
24. Aparna PB, Alex Sunny, **George JJ\***, Functional annotation of hypothetical proteins of *Haemophilus Influenza* PittGG, International Conference on Industrial Biotechnology (ICIB-2012) (November 21 – 23, 2012) at Punjabi University, Patiala, Punjab, India.
25. **John J George\*** and Valentina Umrana, An *In silico* approach for the identification of potential drug targets & its inhibitors for *Streptococcus* species, International Conference on New Horizons in Biotechnology 2011 (November 21 – 24, 2011) at National Institute for Interdisciplinary Science and Technology (NIIST), Thiruvananthapuram, Kerala.
26. Sneha Paul, **John J. George\***, Identification and characterization of oral cancer drug targets: An *In silico* Approach, International Conference on New Horizons in Biotechnology 2011 (November 21 – 24, 2011) at National Institute for Interdisciplinary Science and Technology (NIIST), Thiruvananthapuram, Kerala, India.
27. Bhayani Niraj, Katara D. Eileen, Kholia Trupti, **John J. George\***, Functional annotation for reference hypothetical proteins of *Pseudomonas putida* F1, International Conference on New Horizons in Biotechnology 2011 (November 21 – 24, 2011) at National Institute for Interdisciplinary Science and Technology (NIIST), Thiruvananthapuram, Kerala.
28. John Lijo, **John J George\*** and Kholia Trupti, A Reverse Vaccinology approach for the identification of potential vaccine candidates from *Leishmania* spp., International Conference on New Horizons in Biotechnology 2011 (November 21 – 24, 2011) at National Institute for Interdisciplinary Science and Technology (NIIST), Thiruvananthapuram, Kerala, India. **Awarded as Best poster**
29. **John J George\*** and Valentina Umrana, An *In silico* approach for the identification of potential drug targets and its inhibitors for *Mycobacterium* species, International Conference on Microbial Biotechnology for Sustainable Development (52nd Annual Conference of Association of Microbiologists of India (AMI) – 2011) (November 03 – 06, 2011) at Punjab University, Chandigarh, Punjab, India.
30. **John J George\*** and Valentina Umrana, A novel approach for identification of potential drug targets and its lead compounds for selected MDR human pathogens, International Conference on Genomic Sciences (November 12 – 14, 2010) at Madurai Kamaraj University, Madurai, Tamil Nadu, India. **Awarded as Best poster**
31. Hetal.U, Megha.K.P, **John J. George**, Paul.S and Singh.S.P, HaloBase: Development of Database System for Halophilic Bacteria and Archaea with respect to Proteomics, Genomics & other Molecular Traits, International Conference on Genomic Sciences (November 12 – 14, 2010) at Madurai Kamaraj University, Madurai, Tamil Nadu, India.
32. **John J. George\***, Antiarthritis effect of *Lantana camara* L, International Symposium on Drug Discovery and Research process (January 23-25, 2003) at Shivaji University, Kolhapur, Maharashtra, India.

### National

1. Dimple K. Kachhadiya, **John J George\***, Study on Disrupting the Quorum sensing in Chromobacterium violaceum by Marine Bacteria, National conference on "Environmental Microbiology and Regulatory Aspects" (February 23-24, 2024). Organized by the Department of Microbiology, Atmiya University and Shri M. & N. Virani Science College, Rajkot, Gujarat, India, Sponsored by the Department of Biotechnology (DBT), and Council of Scientific and Industrial Research (CSIR), Govt. of India (Oral Presentation)
2. Saurav Kumar Mishra, Gohel Trupti Dilip, **John J. George\***, Identification of Novel Putative Drug Target and Its Inhibitor Employing Molecular Docking Approach: A Study Based on Sexually transmitted Infections (STIs), National conference on "Environmental Microbiology and Regulatory Aspects" (February 23-24, 2024). Organized by the Department of Microbiology, Atmiya University and Shri M. & N. Virani Science College, Rajkot, Gujarat, India, Sponsored by the Department of Biotechnology (DBT), and Council of Scientific and Industrial Research (CSIR), Govt. of India (Oral Presentation)

3. Saurav Kumar Mishra, Chartha Gaglani, Viralkumar B. Mandaliya, **John J. George\***, Identification of Putative Bioactive Peptide from *Saccharomyces cerevisiae* through in silico Approach, National conference on "Environmental Microbiology and Regulatory Aspects" (February 23-24, 2024). Organized by the Department of Microbiology, Atmiya University and Shri M. & N. Virani Science College, Rajkot, Gujarat, India, Sponsored by the Department of Biotechnology (DBT), and Council of Scientific and Industrial Research (CSIR), Govt. of India (Oral Presentation)
4. Namrata Mitra, Saurav Kumar Mishra, and **John J. George\***, *In-silico* investigation of phytochemicals from *Asparagus racemosus* as a plausible antiviral agent in Monkeypox virus: A validation through molecular docking and ADME analysis, 6<sup>th</sup> Regional Science and Technology Congress-2024 (January 17-18, 2024). Organized by Department of Science and Technology and Biotechnology, Government of West Bengal (Poster Presentation)
5. Saurav Kumar Mishra, Chirag N. Patel, **John J. George\***, Development of peptide based subunit vaccine against Coxsackievirus A10; A validation through machine learning assisted immune simulation approach, 46<sup>th</sup> All India Cell Biology Conference on "Cell Biology at the Crossroads of Interdisciplinary Sciences" (January 10-12, 2024). Organized by ACTREC, Tata Memorial Centre, Navi Mumbai, India, Sponsored by Science and Engineering Research Board (SERB), Department of Biotechnology (DBT), Govt. of India (Poster Presentation)
6. Saurav Kumar Mishra, **John J. George\***, Immunoinformatics approach for a novel multi-epitope vaccine construct against membrane glycoprotein of monkeypox virus, 6<sup>th</sup> Regional Science and Technology Congress-2023 (28<sup>th</sup> February & 1<sup>st</sup> March, 2023). Organized by the Department of Science and Technology and Biotechnology, Government of West Bengal (Poster Presentation)
7. Manal Abouelwafa, **John J. George\***, Codon usage bias underlying parameters for the down-regulated genes in oral cancer, 6<sup>th</sup> National conference on "Trending Research & Innovations in Pharmaceutical Sciences" (TRIPS-2022) (July 22 & 23, 2022) at Anurag University, Hyderabad, Telangana. Sponsored by Science and Engineering Research Board (SERB), Govt. of India. (Poster Presentation)
8. **John J. George\*** & Jeba Praba, Virtual classroom and web conferencing for contemporary teaching-learning process, Online National Seminar on Education in Era of Pandemic Leading and Inspiring through Uncertain Times (April 27 & 28, 2020) at Indian Institute of Teacher Education, Gandhinagar, Gujarat, India (Oral Presentation)
9. Atman Vaidya, Sneha Thomas, **John J. George\***, Singh S. P., Bioinformatics studies on thermophilic DNA polymerase stability, 12<sup>th</sup> National Science Symposium (January 19, 2020) organized by Christ College, Rajkot, Gujarat, India. Sponsored by Gujarat State Biotechnology Mission (GSBTM). (Oral Presentation)
10. Priyanka Joshi, Parmar Pankti, Akshita Sakhiya, Rakshit Ajani, Rushit Shukla\*, **John J. George\***, Production, Partial purification and Characterization of alpha-amylase produced by *Bacillus licheniformis* strain TTIO5.6 newly isolated from Tuva Timba, GSBTM Sponsored National conference on Innovation in Biological Sciences (January 10, 2020) At Department of Biosciences, Saurashtra University, Rajkot, Gujarat, India. (Poster Presentation)
11. **John J. George\***, *In silico* approach for the identification of potential Phytochemical inhibitors of FAK in papillary thyroid cancer, National Conference on New Horizons of Biological Sciences (February 26, 2019) at UGC-CAS Department of Biosciences, Saurashtra University, Rajkot, Gujarat, India. (Poster Presentation)
12. J.H. Kamdar, MD. Jasani, **J. J. George SK. Bera\***, Molecular markers assisted selection for oil quality traits in Indian groundnuts, National Conference on New Horizons of Biological Sciences (February 26, 2019) at UGC-CAS Department of Biosciences, Saurashtra University, Rajkot, Gujarat, India. **Awarded as Best poster** (Poster Presentation)
13. **John J. George\***, Plant Peptide Toxins, 11<sup>th</sup> National Science Symposium on Recent Trends in Science and Technology. February 03, 2019, at Christ College, Rajkot, India.
14. **John J. George\***, New Education Policy 2016: A Teacher's Perspective, National conference on Quality Enhancement and Sustenance in Teaching, Learning and Evaluation in Higher Education (August 20, 2016) at Christ College, Rajkot, Gujarat, India. (Oral Presentation)
15. **John J. George\***, Functional annotation of hypothetical proteins of *Listeria monocytogenes* EGD-E, UGC-CAS National conference on biodiversity and bioresource utilization (March 17-18, 2015) At Department of Biosciences, Saurashtra University, Rajkot, Gujarat, India. (Oral Presentation)
16. **John J. George\***, Medicinal Value of Animals, National Conference on Applied Zoology (December 21-23, 2003) at Vivekananda College, Kanyakumari, Tamil Nadu, India. (Oral Presentation)

## MEMBERSHIPS

### • In Scientific Organizations

1. Since **October 2022**: Community Associate member of American Chemical Society (ACS) (Member Number: 32514575) (/www.acs.org)
2. Since **May 2019**: Member of The American Peptide Society (Member ID is: 4167) (https://americanpeptidesociety.org)
3. Since **May 2019**: Member of The European Peptide Society (https://www.eurpepsoc.com/)
4. Since **May 2019**: Member of Indian Peptide Society (http://indianpeptidesociety.com/)
5. Since **June 08, 2012**: Member of International Society for Computational Biology (ISCB), USA (Membership ID: 15549)
6. Since **June 2010**: Life Member of Asia Pacific Bioinformatics Network (APBioNet), Singapore
7. Since **January 24, 2011**: Life Member of Indian Science Congress, Kolkata, India (Membership No: L16829)
8. Since **March 22, 2011**: Life Member of Indian Society of Chemists and Biologists (ISCB), Lucknow, India (Fellow No: LF: 554/2011)
9. Since **June 17, 2011**: Life Member of 'The Biotech Research Society, India' (BRSI), Trivandrum, India (Membership No: LM-938)
10. Since **January 01, 2011**: Life Member of Association of Microbiologists of India (AMI) (Membership No:3157- 2011)
11. Since **July 30, 2016**: Life Member of All India Medical Laboratory Technologists' Association (Member Society, International Federation of Biomedical Laboratory Science, Hamilton, Canada & Member of World Health Organization (WHO) & Member, Asian Association of Medical Laboratory Scientists, Japan) (Membership No:26743)

## TECHNIQUES KNOWN

### Bioinformatics & Cheminformatics

- All Web Based Bioinformatics & Cheminformatics Databases & Tools
- MOE
- SYBYL-X
- Schrodinger Suite
- BIOVIA Discovery Studio
- ChemOffice
- CLC Genomics Workbench

### Biotechnology and Molecular Biology

- Basic laboratory skills & Biostatistics
- Instrument handling
- Protein extraction and purification
- Recombinant DNA technology
- Clinical Immunology (serology)
- Clinical Biochemistry & Microbiology

## EXTRAMURAL ENGAGEMENTS & ACCOLADES

1. Passed National Cadet Corps (NCC) "B- Certificate" exam with a B grade in the year 1997 from Ministry of Defence, Government of India (March-1997)
2. Passed National Cadet Corps (NCC) "A- Certificate" exam in the year 1991 from Ministry of Defence, Government of India (April-1991)
3. Attended National Integration Camp SD Boys (NCC) organized by 15(TN) Battalion NCC, Ministry of Defence, Government of India (29/10/1995 to 9/11/1995)
4. Attended National Annual Training Camp (NCC) organized by 11(TN) Battalion NCC, Ministry of Defence, Government of India (14/6/1995 to 25/6/1995)
5. Attended National level "Parasailing" program jointly organized by UGC and National Adventure Foundation (NAF) (25/6/1995 to 29/6/1995)
6. Attended State level "Leadership Development workshop" organized by Bharathidasan University (7/9/1998)
7. Actively participated in National Service Scheme (NSS) and led the School NSS unit, recognized by Indian Government (1992-1994)
8. Actively participated in Youth Red Cross Society (YRC) and led the college YRC unit, recognized by International and Indian Red Cross Society (1997-2000)
9. Completed the training on Bonsai Making conducted by Tamil Nadu Agriculture University (Urban Horticulture Development Centre, Chennai) (November 10, 2005).