

FACULTY PROFILE



1. Name : **Dr.A. Ronaldo Anuf**
2. Phone No. & E-Mail : **9843910861 & ronaldoanuf@gmail.com**
3. Date of Birth : **23-07-1988**
4. Qualification and Experience : **Ph.D. – Biotechnology & 10 Years**

S. No.	Degree	College & University	Month & Year of Passing
1	Ph.D . Biotechnology	Kamaraj College of Engineering and Technology, Anna University, Chennai	July 2020
2	M.Tech. Biotechnology	University departments of Anna University of Technology, Tiruchirappalli Anna University of Technology, Tiruchirappalli	August 2012
3	B.Tech. Biotechnology	Udaya School of Engineering and Technology, Affiliated to Anna University, Chennai	April 2009

Experience

S. No.	Designation	Organization	Year
1	Research Associate	Shaili Biotech, Gujarat	1 Year
2	Lecturer	Bharathidhasan University	1 Year
3	Assistant Professor	Department Of Biotechnology, Kamaraj Engineering and Technology	8 Year

5. Research Profile

- ❖ **Google Scholar Citations:** 236; h-index: 8; i10-index: 7
- ❖ **Google Scholar link**
<https://scholar.google.co.in/citations?user=L0KvIHAAAAAJ&hl=en>
- ❖ **ORCID iD** : <https://orcid.org/0000-0002-4085-5893>
- ❖ **Research gate link** : [Alexander Ronaldo Anuf \(researchgate.net\)](https://www.researchgate.net/profile/Alexander-Ronaldo-Anuf)

6. Area of Specialization : **Biomass Valorization & Computational Drug Discovery**

7. Experience (No. of Years) : **9 Years**

8. Membership in Professional Societies :

**Life Member : INDIAN SOCIETY FOR TECHNICAL EDUCATION(ISTE) ,
Life Member : BIOTECH RESEARCH SOCIETY OF INDIA (BRSI)**

Project Guided

- ❖ UG- 9 Project Group ; PG- One (Ongoing)
- ❖ Ph.D. Guiding: -

Research Papers Published

International Journals Publications:

- Suma, N., Aruldas, D., Joe, I. H., Balachandran, S., **Anuf, A. R.**, Sasi, A., & George, J. (2019). Vibrational spectra, hydrogen bonding analysis and herbicidal activity study of mefenacet: A DFT approach. **Journal of Molecular Structure**, 127203. **(IF:2.12)**
- Mol, G. S., Aruldas, D., Joe, I. H., Balachandran, S., **A. Ronaldo Anuf.**, & George, J. (2019). Spectroscopic investigation, fungicidal activity and molecular dynamics simulation on benzimidazol-2-yl carbamate derivatives. **Journal of Molecular Structure**, 1176, 226-237.**(IF:2.12)**
- Mol, G. S., Aruldas, D., Joe, I. H., Balachandran, S., **A. Ronaldo Anuf.**, George, J., & Nadh, A. G. (2019). Structural activity, fungicidal activity and molecular dynamics simulation of certain triphenyl methyl imidazole derivatives by experimental and computational spectroscopic techniques. **Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy**, 212, 105-120. **(IF:2.96)**
- Murugesan, S., Lakshmanan, D. K., Arumugam, V., & Alexander, R. A. (2019). Nutritional and therapeutic benefits of medicinal plant *Pithecellobium dulce* (Fabaceae): A review. *Journal of Applied Pharmaceutical Science*, 9(07), 130-139.
- Lakshmi, C. N., Balachandran, S., Arul, D. D., Ronaldo, A. A., & Hubert, J. I. (2019). DFT analysis on spectral and NLO properties of (2E)-3-[4-(dimethylamino) phenyl]-1-(naphthalen-2-yl) prop-2-en-1-one; a d- π -A chalcone derivative and its docking studies as a potent hepatoprotective agent. *Chemical Data Collections*, 20, 100205.
- Mol, G. S., Aruldas, D., Joe, I. H., Balachandran, S., **A. Ronaldo Anuf.**, & George, J. (2019). Structural activity (monomer and dimer), spectroscopic analysis, chemical reactivity, fungicidal activity and molecular dynamics simulation of phenyl benzamide fungicides: A combined experimental and theoretical approach. **Journal of Molecular Structure**, 1193, 24-44. **(IF:2.12)**

- Mol, G. S., Aruldas, D., Joe, I. H., Balachandran, S., **A. Ronaldo Anuf.**, & George, J. (2019). Spectroscopic investigation, fungicidal activity and molecular dynamics simulation on benzimidazol-2-yl carbamate derivatives. **Journal of Molecular Structure**, 1176, 226-237. (IF:2.12)
- Ramaraj Kannan, Naiyf.S. Alharbi, Shine Kadaikunnan, Shyam Kumar Rajaram, **Ronaldo Anuf Alexander** (2016) “ *In silico* Analysis of Phytoconstituents from *Allium sativum* as Potential Inhibitors of Inha in *Mycobacterium tuberculosis*” **Brazilian Archives of Biology and Technology**, Vol. 59, June 2016. (IF-1.3)
- **Ronaldo Anuf Alexander**, Siva Sankari, Kannan Ramaraj, Shyam Kumar Rajaram “ *In silico* analysis and molecular interactions studies of selected phytoconstituents from *Andrographis paniculata* as potential inhibitors of monoamine oxidase b” *Asian Journal Of Pharmaceutical And Clinical Research*, Vol 19, no. 2, pp. 239-242, 2016.
- **A. Ronaldo Anuf**, Rajesh Ramachandran, Rajaram Krishnasamy, P.S. Sudhakar Gandhi, Sureshkumar Periyasamy (2014) “Anti proliferative effect of plumbagin and its potential synergism with *P. rosea* extract” *Journal of Pharmacognosy Research*, Vol. 6, no. 4, pp. 312-319,

Non-Indexed Journals:

- R.Niroshini , V.Evangelin Shaloom , B.Lakshmi Priya , R.Shyam Kumar , D. Mathews LurthRaj, **A.Ronaldo Anuf*** (2019) “Extraction Of Phytoconstituents From *Rocella Montagnei* And Evaluation Of Its Anti Apoptotic Potential” **American International Journal of Research in Science, Technology, Engineering & Mathematics, Special issue** “National Conference on- Innovations in Bio, Chemical and Food Technology, February 02, 2019” pp. 232-240.
- **Alexander Ronaldo Anuf***, Breethi Natarajan, Shahila Stephen and Kannan Ramaraj (2014) “*In silico* Analysis of Plumbagin and its synthetic analogues as potential Bcl-2 Inhibitors” **Asian Journal of Medical and Pharmaceutical Sciences** ISSN: 2249 – 622X, Vol. 2, no. 2, pp. 108-114.
- Kannan Ramaraj and **A. Ronaldo Anuf** (2014) “Inhibition of FGFR2 signal transduction in *Acne Vulgaris* using Bioactive Flavonoids: An *In silico* approach” **Asian Journal of Medical and Pharmaceutical Sciences** ISSN: 2249 – 622X, Vol. 2, no. 2, pp. 136-142.
- C.Varshini, P.Vinita, R. Priyanka, Ramaraj.K, **Ronaldo Anuf.A** “ *In silico* analysis of Curcumin and its analogues as potential inhibitors of Indoleamine 2,3 - di oxygenase” **Journal of Pharma Research**, Vol 4, no. 10, pp. 335-339, October 2015.
- **Ronaldo Anuf Alexander**, Brijit C Dhas, Nimmi S Simon, Austin. P, Sentamil Selvan, Shyam Kumar Rajaram “Comparative effects of plant growth regulators on callus induction in leaf explants of *Wedelia Chinensis*” *South Indian Journal Of Biological Sciences*, Vol 2, no. 2, pp. 333-338, 2016.

International Conferences :

- **Ronaldo Anuf Alexander**, Ramaraj.K, Rajesh Ramachandran, Shyam Kumar .R, and Ganesh Moorthy.I, “Synergistic effect of ethanolic extract of *Plumbago rosea*: Antioxidant activity and Antiproliferative effects on L929 cell lines”, CSIR-National Institute for Interdisciplinary Science and Technology, Trivandrum & The Biotech Research Society, India, 22-25 November, 2015.
- Shahila.s, Bavithra.M, Ramyasri. T, **Ronaldo Anuf Alexander**, Ganesh Moorthy.I, Ponnurugan and ShyamKumar, “Biosynthesis of TiO₂ nanoparticles using lichen *Parmotrema austrosinense* and its antimicrobial effect on plant pathogen” *New Horizons in Biotechnology*, CSIR-National Institute for Interdisciplinary Science and Technology, Trivandrum & The Biotech Research Society, India, 22-25 November, 2015.
- Hariharasudhan.M, Kaviya.S, Vasanthi.M and **Ronaldo Anuf. A**, Flavonoids As Potential Inhibitors Of Bcl-2 Protein, 5th Annual International convention of Association of Pharmacy professionals, Department of Pharmaceutical Technology, Anna University, Tiruchirappalli. 22nd and 23rd January,2016,

- Jency Bavithra, J, Aswani, T, Aswanti, MT, **Ronaldo Anuf, A**, Ponmurugan, K, Ganesh Moorthy, I. and Shyam Kumar, R. Rapid identification of Streptomyces isolates by matrix assisted laser desorption ionization-Time of flight Mass Spectrometry (MALDI-TOF MS) International conference on biodiversity and bioactive natural products for human welfare PG & Research Department of Botany, Government Arts College, Karur, ICMR and DBT, New Delhi 10-02-2016 to 12-02-2016
- Kameshwari, B, Gayathri Devi, R, Abarna Priya, MS, Ganesh Moorthy, I, Shyam Kumar, R. and **Ronaldo Anuf, A**, Effect of alkaline pretreatment for bioethanol production from *Acacia nilotica*, International conference on advances in Biotechnology, Civil & Mechanical Science, Department of Biotechnology, Civil & Mechanical Engineering, Selvam College of Technology, Namakkal 17-03-2016 & 18-03-2016
- **Ronaldo Anuf, A**, Gayathri Devi, R, Kameshwari, B, Abarna Priya, MS, Shyam Kumar, R. and Ganesh Moorthy, I., Effect of alkali pretreatment on cellulose recovery from *Prosopis juliflora*, International conference on advances in Biotechnology, Civil & Mechanical Science, Department of Biotechnology, Civil & Mechanical Engineering, Selvam College of Technology, Namakkal 17-03-2016 & 18-03-2016
- **Ronaldo Anuf, A**, Abarna Priya, MS, Kameshwari, B, Gayathri Devi, R, Shyam Kumar, R. and Ganesh Moorthy, I, Delignification of lignocellulosic biomass using microwave assisted pretreatment strategies for the production of bioethanol International conference on advances in Biotechnology, Civil & Mechanical Science, Department of Biotechnology, Civil & Mechanical Engineering, Selvam College of Technology, Namakkal 17-03-2016 & 18-03-2016
- Arunkumar, N, Jayaprakash, A, Saravanan, G, **Ronaldo Anuf, A**, Ponmurugan, K, Ganesh Moorthy, I. and Shyam Kumar, R. Isolation of endolichenic bioactive fungal species from *Leptogium javanicum* International conference on advances in Biotechnology, Civil & Mechanical Science, Department of Biotechnology, Civil & Mechanical Engineering, Selvam College of Technology, Namakkal 17-03-2016 & 18-03-2016
- Arunkumar, N, Jayaprakash, A, Saravanan, G, **Ronaldo Anuf, A**, Ganesh Moorthy, I, Karthikumar, S, Ponmurugan, K. and Shyam Kumar, R. "Production and characterization of pigment from lichen associated Penicillium sp.," International conference on advances in Biotechnology, Civil & Mechanical Science, Department of Biotechnology, Civil & Mechanical Engineering, Selvam College of Technology, Namakkal 17-03-2016 & 18-03-2016
- Sharon Joenita.T, Arunkumar. N, **Ronaldo Anuf, A**, Ganesh Moorthy, I, Karthikumar, S, Ponmurugan, K. and Shyam Kumar, R., "Analysis of phenolics and free radical scavenging potential of lichen *Parmotrema hababianum*(gyeln.) hale from Santhanpara, Kerala" International conference on advances in Biotechnology, Civil & Mechanical Science, Department of Biotechnology, Civil & Mechanical Engineering, Selvam College of Technology, Namakkal 17-03-2016 & 18-03-2016
- C.S.Shivamathi, M.A.Sundaramahalingam, M.Ponmanian, R.Suriyakumar, S.Vishnu prasad, R.Shyam Kumar, **A.Ronaldo Anuf** And I.Ganesh Moorthy, "Optimization Of Ultrasound Assisted Extraction Of Pectin From Custard Apple (*Annona squamosa*) Peel", 3rd International Conference on Advances in Biotechnology, Civil & Mechanical Science ICABCMS'17, Department Of Biotechnology, Civil & Mechanical Engineering Selvam College of Engineering & Technology, 17 th & 18 th March 2017.
- A. Muthu Selvam, R. Shyam Kumar, A. Ronaldo Anuf, S. Karthikumar, I.Ganesh Moorthy, "Cyanobacterial Future Energy Source" 3rd International Conference on Advances in Biotechnology, Civil & Mechanical Science ICABCMS'17, Department Of Biotechnology, Civil & Mechanical Engineering Selvam College of Engineering & Technology, 17 th & 18 th March 2017.
- Jeyapriya. S , Manisha. R, **Ronaldo Anuf. A** , Shyam Kumar. R and Ganesh Moorthy, Ultrasound Assisted Pretreatment Of Lignocellulosic Biomass, International Conference on Advances in Biological Chemical & Physical Sciences (ABCPS 2017). Department of Biotechnology, Bharathidasan Institute of Technology, Anna University, Tiruchirappalli-620 024, 13- 15th March 2017.
- Varshini.C*, Vinitha.P, Priyanka.R, Shyam Kumar.R, Ganesh Moorthy.I and **Ronaldo Anuf.A**, Cellulose Recovery from *Acacia nilotica* By Microwave Assisted Pretreatment For Production Of Bio-Ethanol, International Conference on Advances in Biological Chemical & Physical Sciences (ABCPS 2017).

Department of Biotechnology, Bharathidasan Institute of Technology, Anna University, Tiruchirappalli-620 024, 13- 15th March 2017.

- Sundaramahalingam M.A, Shyam Kumar R, **Ronaldo Anuf A** and Ganesh Moorthy I, Ultrasound assisted extraction of oil from *Annona squamosa*(custard apple) for biodiesel production, 3rd International conference on Bioenergy, Environmental and Sustainable Technologies Department of Biotechnology, Arunai Engineering College, Tiruvannamalai, Jan 23rd – 25th , 2017
- **Ronaldo Anuf A**, vinitha P, Priyanka R, Varshini C, Shyam Kumar R and Ganesh Moorthy I Optimization of Microwave assisted acid pretreatment for bioethanol production from *Prosopis juliflora*, 3rd International conference on Bioenergy, Environmental and Sustainable Technologies Department of Biotechnology, Arunai Engineering College, Tiruvannamalai, Jan 23rd – 25th , 2017
- Abarna Priya M.S, Gayathri Devi R, Kameshwari B, Ganesh Moorthy I, shyam Kumar R and **Ronaldo Anuf A** Effect of alkaline pretreatment on delignification of *Acacia nilotica*, 3rd International conference on Bioenergy, Environmental and Sustainable Technologies Department of Biotechnology, Arunai Engineering College, Tiruvannamalai, Jan 23rd – 25th , 2017
- **Ronaldo Anuf A**, Manisha R, Jeyapriya S, Shyam Kumar R and Ganesh Moorthy I Ultrasound assisted alkaline pretreatment of lignocellulosic biomass of *Prosopis juliflora*, 3rd International conference on Bioenergy, Environmental and Sustainable Technologies Department of Biotechnology, Arunai Engineering College, Tiruvannamalai, Jan 23rd – 25th , 2017
- Dhaslima Nasreen M, Abinaya S, Prema N, **Ronaldo Anuf A**, Shyam Kumar R and Ganesh Moorthy I Potential enzyme consortium for the production of bioethanol from *Acacia nilotica* biomass, International Conference on Current trend in Biotechnology School of Bioscience and Technology, VIT university, Vellore, Dec 8th -10th,2016
- Sharon joenita T, Ram Kumar A, **Ronaldo Anuf A**, Ganesh Moorthy I, SanjeevaNayaka and Shyam Kumar R Effect of extraction process on Anti-Inflammatory activity of Lichen *Parmotrema chinense*, International Conference on Current trend in Biotechnology School of Bioscience and Technology, VIT university, Vellore, Dec 8th -10th,2016
- Vanaja.S, Narayanasamy.P, **Ronaldo Anuf.A**, Ponmurugan.K, Ganesh Moorthy.I, Shyam Kumar.R,presented a paper titled “High Performance Natural Cellulosic Fiber as fiber Composites from Pods of *Cajanus cajan*” at BIOPROCESSING INDIA 2017 “Recent trends in bioprocessing for healthcare, energy and environment”, Indian Institute of Technology, Guwahati from 9th Dec to 11th Dec, 2017
- K.Ramaraj V.Evangelien Shaloom, , B.Lakshmi Priya ,R.Niroshini , K. Praveen Kumar and **A.Ronaldo Anuf**, Role Of Deleterious nsSNPs In The Functional And Structural Activity Of Monoamine Oxidase B In Treatment Of Parkinson’s Disease – An *Insilico* Approach, Advances in Degenerative diseases and Molecular interventions (ADDMI)-2017, Hotel Hyacinth, Trivandrum, 23-24 Nov 2017.
- K.Ramaraj, B.Lakshmi Priya ,R.Niroshini , V.Evangelien Shaloom,, R.Shyam Kumar K.Praveen Kumar and **A.Ronaldo Anuf** Computational Prediction On Structural Effects Of Deleterious nsSNPs In Monoamine Oxidase B For The Treatment Of Parkinson’s Disease, International conference on biosciences and bioinformatics ICBB – 2017, Bharathiyar University-14-16, Dec 2017
- **A. Ronaldo Anuf**. J.Prakash Maran , R. Shyam Kumar , V.Sivasubramanian and I.Ganesh Moorthy Process Optimization Of Microwave Assisted Acid Pretreatment Of *Prosopis Juliflora* Biomass For Bioethanol Production First International conference on energy and Environment: Global Challenges, Department of Chemical Engineering, National Institute of Technology, Calicut 9,10 March 2018.
- Lakshmi Priya B, Suhashini G, Vanaja S, Sundaramahalingam M A, **Ronaldo Anuf. A**, Ganesh Moorthy I, Shyam Kumar R Characterization Of Polysaccharides From Exudates Of *Araucaria columnaris* (J.R.Frost.) Hook, International conference on Biotechnology, Biomedical Sciences and Environment, Department of Biotechnology, Karpaga Vinayaka College of Engineering and Technology, Padalam,16 March, 2018.

- Thabitha Zelin Rachel.V, Gomathi. K, Maheshwari.G, Naif Abdullah Al.Dhabi, Ponmurugan. K, Ganesh Moorthy. , **Ronaldo Anuf.A**, ShyamKumar.R Production and Characterization of Extracellular Polysaccharides From Endolichenic Bacteria International conference on Biotechnology, Biomedical Sciences and Environment Department of Biotechnology, Karpaga Vinayaka College of Engineering and Technology, Padalam 16 March, 2018
- Vanaja.S, Suhashini.G, Naif Abdullah Al.Dhabi, Ponmurugan. K, Ganesh Moorthy. I, **Ronaldo Anuf.A**, Shyam Kumar.R Optimization of Polysaccharides Extraction from Lichen Parmotrema indicum Hale. through Statistical Approach, International conference on Biotechnology, Biomedical Sciences and Environment, Department of Biotechnology, Karpaga Vinayaka College of Engineering and Technology, Padalam 16 March, 2018
- C.S.Shivamathi, R.Shyam Kumar, **A. Ronaldo Anuf** and I.Ganesh Moorthy Physicochemical Characterization Studies Of Pectin Extracted From Various Fruit Wastes. 4th International Conference on Innovations in Biotechnology, Civil & Mechanical Science ICIBCMS'18 International Department of Biotechnology, Selvam College of Technology, Namakkal.16 & 17 March 2018
- R.Kheerthana, Aravind, Prakash Maran.J, Ganesh Moorthy.I, Shyam Kumar.R, **Ronaldo Anuf.A*** Evaluation of antioxidant and anticancer potential of polyphenols from fruit peels of *Pithecellobium dulce* Benth International conference on Recent Advances in Food Processing Technology IIFPT, Thanjavur 17 – 19 August 2018
- Shivamathi. CS, **Ronaldo Anuf.A** Shyam Kumar. R Ganesh Moorthy I. Optimization and ultrasound International conference on. assisted extraction of pectin from prickly pear cactus peel Recent Advances in Food Processing Technology IIFPT, Thanjavur 17 – 19 August 2018
- Nivethitha.V.B, Ramaraj.K, Shyam Kumar.R, **Ronaldo Anuf.A** Molecular docking and ADME analysis of phytoconstituents from *Juglans regia L* as inhibitors of Monoamine oxidase B, a potential target for Alzheimer's disease International conference on Recent Advances in Food Processing Technology IIFPT, Thanjavur 17 – 19 August 2018
- Nivethitha.V.B, Aravind.K, Shyam Kumar.R, Ganesh Moorthy.I, Ronaldo Anuf.A. Evaluation of antioxidant and anticancer potential of polyphenols from fruit peels of *Pithecellobium dulce* Benth International conference on Recent Advances in Food Processing Technology IIFPT, Thanjavur 17 – 19 August 2018
- V.B.Nivetitha, R.Kheerthana, R.Shyam Kumar and **A.Ronaldo Anuf**, Systematic approach towards development of novel lead molecule from *Juglan regens* towards the treatment of Parkinson's disease, International Conclave for the Advancements in Bio, Chemical and Pharmaceutical Technologies. Pavendher Bharadhidasan College of Engineering and Technology, Trichy from 6.3.2019-8.3.2019
- R.Niroshini , V.Evangelin Shaloom , B.Lakshmi Priya , R.Shyam Kumar , D. Mathews LurthRaj , **A.Ronaldo Anuf**, Extraction Of Phytoconstituents From *Rocella Montagnei* And Evaluation Of Its Anti Apoptotic Potential “National Conference on- Innovations in Bio, Chemical and Food Technology, Kumaraguru College of Technology, Coimbatore held on February 02, 2019

Book Chapters

- Ronaldo Anuf. A., I. Ganesh Moorthy, R. Shyam Kumar and Prakash Maran 2018, ““Microwave-Assisted Pretreatment of Biomass before Transformation into Biofuel””, in the book entitled “Bioprocess Engineering for a Green Environment”, pp.271-296 CRC Press, USA

Contribution to the Department

- **Quality Improvement Committee – Incharge**
- **Training and Development Cell – Incharge**

- **NBA – Criterion – III & IV**
- **NAAC – Criterion - V**