

Faculty Profile of Dr. N. Arul



Dr. N. Arul
Assistant Professor
Department of Zoology

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Phone No:0422-2428609

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Research Area

- Biomaterials -Drug Delivery
- Population Genetics
- Proteomics.

Education & Career

Education

Ph. D.

Subject : Biological Sciences

Institution : Kyungpook National University

Affiliated University : Kyungpook National University, South Korea

Year of Award : 2012

M. Phil.,

Subject : Zoology

Institution : Bharathiar University

Affiliated University : Bharathiar University, Coimbatore

Year of Award : 2002

M. Sc.,

Subject : Zoology

Institution : Bharathiar University

Affiliated University : Bharathiar University, Coimbatore

Year of Award : 2000

B. Sc.,

Subject: Zoology

Institution : Ayya Nadar Janaki Ammal College, Sivakasi

Affiliated University : Madurai Kamaraj University, Madurai

Year of Award : 1998

Career**At Bharathiar University (Reverse Order)**

Assistant Professor : November 2016 to Till date

Past Experience

Assistant Professor : June 2012 to May 2013 at Catholic University

Guest Faculty : July 2007 to July 2008 at Bharathiar University

Awards**Academic awards**

Awarding agency : International Conference of Blood and Marrow Transplantation

Purpose of award : OVERSEAS CONTRIBUTION AWARD

Country : Korea.

Date of Award : 1st-3rd September 2022.

Awarding agency : National Conference on ANTHROPOLOGY: BIOLOGICAL DIVERSITY AND AFFINITIES – A CRITICAL RETHINKING OF THE ENDURING ISSUES IN INDIA

Purpose of award : Young Scientist Award

Country : India

Date of Award : 17&18 th March 2022.

Awarding agency : KHUPO (Korean Human Proteome Organisation).

Purpose of award : ZEISS Korea Young Scientist Award.

Country : Korea.

Date of Award : 27th-29th March 2014.

Memberships

Korean Society for Biochemistry and Molecular Biology, Human Proteome Organization, Korean Human Proteome Organization

Visits

Country Visited : South Korea.

Month and Year : 2008 - 2016.

Purpose of Visit : Research.

Collaborators

Others

Projects

Funded Projects(National level)

- [Ongoing-3](#)
- [Completed-2](#)

1.Assessment of Epigenetic regulation and Protein modification in Human population influenced by transition metal ions from Industrial Effluents in Tamilnadu.

Principle Investigator: Dr. N. Arul

Funding Agency : CSIR

Amount : 33,00,000/-.

Duration : 17.07.2020- 17.07.2023

2.Gossypetin Loaded Zinc Oxide Nanoparticles Induced Apoptotic Cell Death through Upregulation of GADD45 gene in Multi Drug Resistant Human Breast Cancer Cells and post operative patients: An Improved Drug Delivery system for cancer therapy.

Principle Investigator: Dr. N. Arul

Funding Agency : RUSA. 2..0 - BCTRC

Amount : 13,88,000/-

Duration : 14.12.2020-14.12.2022

3.Epigenetic regulation and Transcriptional factors in Ovarian Cancer patients - A Population based study in Tamilnadu Population.

Principle Investigator: Dr. N. Arul

Funding Agency : Tamil Nadu State Council for Higher Education

Amount : 9.70 Lakhs.

Duration : 30.03.2021-30.03.2023

1.Multifunctional Zinc Nano-bioconjugated Delivery of Betal compound as a novel cancer therapeutic approach.

Principle Investigator:Dr. N.Arul

Funding Agency :UGC- BSR- START UP.

Amount : Rs.10,00,000/-

Duration : 19.03.2018 – 18.03.2020

2.Escalating awareness to Ovarian Cancer - The people who affected

Principle Investigator: Dr. N.Arul

Funding Agency : RUSA- ENTREPRENEUR PHASE II

Amount : 8,00,000/-

Duration : 01.02.2020-30.06.2020

Consultancy Projects

- [Ongoing](#)
- [Completed](#)

Research Guidance

- [Post-Doc](#)
- [Ph.D.](#)
- [M.Phil.](#)
- [PG](#)

ONGOING

Mithun Karthick .K



Title: Tumour induced Osteomalacia : An endocrine paraneoplastic syndrome in Rattus norvegicus domestica.

Year of Award:

Nandita. R



Title: Development of seaweed mediated zinc oxide nanoparticles as A low-toxicity inhibitor to improve anti-tumour immunity in Cancer therapeutics.

Year of Award:

AWARDED

Saranya. T



Title of the Thesis :

An In vitro and In vivo insight on the mechanistic approach of troxerutin functionalized selenium nanoparticles against triple negative breast cancer.

Year of Award:2022

Ramya. S



Title of the Thesis :

Fabatin Loaded Silica Nanoparticles Ameliorates Triple Negative Breast Cancer by Inhibiting PI3K/AKT Pathway Mediated Mitochondrial Dysfunction

Year of Award:2022

ONGOING

Immanuel Aghil . X



Title: Genetic Alterations in Alzheimer's Disease

AWARDED

Yasothamani. V



Title of the Thesis : A comparative study of the non- targeted and targeted NIR responsive polyaniline nano system for effective Triple negative breast cancer therapy

Year of Award: 2018

Harysh Winster. S



Title of the Thesis : Screening of chromosomal abnormalities, mitochondrial alterations, and mutations among Parkinson's disease (PD) patients from Tamil Nadu Population

Year of Award: 2022

ONGOING

AWARDED

Aswathy. P

Title of the Thesis : Anticancer activity of biocompatible ZnO nanoparticles against Human Breast Cancer (MCF-7) cells

Year of Award: 2018

Gayathri. P

Title of the Thesis : Anticancer activity of biocompatible CuO nanoparticles against Human Lung Cancer (A549) cells

Year of Award: 2018

Mohan Raj. T

Title of the Thesis : Anticancer activity of biocompatible Cinnamic Acid Loaded Chitosan nanoparticles against Human Colon Cancer (HT- 29) cells

Year of Award: 2018

Divya Bharathi.S

Title of the Thesis : Insilico analysis and apoptogenic activity of Scopoletin

and Sericin on MG-63 Osteosarcoma cells

Year of Award: 2019

Kavitha Sharma. H

Title of the Thesis : Genomic Effect of ZnO Nanoparticles in *Pseudomonas aeruginosa*

Year of Award: 2019

Santhosh Kumar.G.S

Title of the Thesis : Synthesis of magnetic nanoparticles loaded with silibinin and its anticancer activity on HT-29 Cancer Cell lines

Year of Award: 2019

Nivetha. A.R

Title of the Thesis : Anticancer Activity Of Thymol Functionalized Biocompatible Chitosan Nanoparticles Against Colon Cancer Cell Line (HT-29)

Year of Award: 2020

Sivaranjini. S

Title of the Thesis : Wound Healing Efficacy of Gossypin Loaded Chitosan Nanoparticles In NIH-3T3 Cells

Year of Award: 2020

Bhuvaneshwari. N

Title of the Thesis : Anticancer activity of biocompatible Tannic acid loaded into Casein Nanoparticles for drug delivery to Pancreatic cancer cell lines (PANC-1)

Year of Award: 2020

Kalaivani. K

Title of the Thesis : Glycosaminoglycans from Octopus: Evaluation of antioxidant and anticancer effects by in vitro screening

Year of Award: 2020

Harysh Winster. S

Title of the Thesis : Troxerutin Coated Nanoparticles Down regulate the TLR-2 gene and function in the human bronchial epithelial cells

Year of Award: 2020

Soorya sree. N.V

Title of the Thesis : Sabinene Attenuates 6-Hydroxydopamine Induced Neurotoxicity In SH-SY5Y Neuroblastoma Cells

Year of Award: 2021

Vishnu priya. M

Title of the Thesis : Anti-Fibrotic Activity Of The Carotenoid Rhodopin Against The TGF- β 1 Induced Pulmonary Fibrosis In A549 Cells

Year of Award: 2021

Naveen Kumar. M

Title of the Thesis : In-Vitro Studies of Anti-Fibrotic Activity of the Alkaloid Koenine Against The TGF- β 1 Induced Pulmonary Fibrosis In the A549 Cell Lines

Year of Award: 2021

Manjima. K

Title of the Thesis : Neuroprotective Activity of Spathulenol Against Oxydopamine Induced Toxicity In Neuroblastoma Cells

Year of Award: 2021

Dulcie Josephine. R

Title of the Thesis : Lactoferrin From Saliva Towards Early Detection Of Alzheimer.

Year of Award: 2021

ONGOING

COMPLETED

Kavithaa. K



Title of the Thesis :

Nimbolide with Highly Luminescent Carbon Quantum dots: An unique

Theronastic agent for Targetting HER 2 receptor and induce apoptosis via inhibition of Cell Growth (PI3/Akt and MAP Kinase)

Research Publication

- [International](#)
- [National](#)
- [Patents](#)
- [Conferences](#)
- [Books/Chapters](#)
- [Database](#)

Reverse Chronological Order

2022

Title of the Paper :[Biosynthesis, Characterization, Nematicidal Efficacy of Silver Nanoparticles Synthesized using Solanum nigrum Fruit against Root Knot Nematode Meloidogyne incognita](#)

Author Names :T. Saranya, M. Paulpandi, V. Balachandar, N. Arul

Journal Name :Nanoscience and Nanotechnology: An Indian Journal.

Title of the Paper :[Neurotoxicity of pesticides-A link to neurodegeneration.](#)

Author Names :B. Vellingiri, M. Chandrasekhar, S Sri Sabari, A. V.

Gopalakrishnan, A. Narayanasamy, D. Venkatesan, M. Iyer, K. Kesari, A. Dey

Journal Name :Ecotoxicology and Environmental Safety.

Title of the Paper :[Electrical based cancer therapy for solid tumours - Theranostics approach.](#)

Author Names :M. Iyer, A. Venugopal, M. Chandrasekhar, A.

Suriyanarayanan, K. Balasubramani, A. S. Ilangoan, S. Kamalakannan, R.

Gunaseelan, N. Ayyadurai, A. V.

Gopalakrishnan, L. Rachaiah Balraj, I. Aghil, S. Palanisamy, B. Vellingiri, A. Narayanasamy.

Journal Name :Biosensors and Bioelectronics : X.

Title of the Paper :[Green Synthesis of Selenium Nanoparticles Using Solanum nigrum Fruit Extract and its Anti-cancer Efficacy Against Triple Negative Breast Cancer.](#)

Author Names :T. Saranya, S. Ramya, K. Kavithaa, M. Paulpandi, Y. Cheon, S. Harysh Winster, V. Balachandar, N. Arul

Journal Name :Journal of cluster science.

Title of the Paper :[Diagnostic and therapeutic approach of artificial intelligence in neuro-oncological diseases.](#)

Author Names :D. Venkatesan, A. Elangovan, S. Harysh Winster, Md Younus Pasha, K. Susan Abraham, J . Satheeshkumar, P. Sivaprakash, A. Niraikulam, A. V. Gopalakrishnan, A. Narayanasamy, B. Vellingiri

Journal Name :Biosensors and Bioelectronics : X.

Title of the Paper :[Genotypic-Phenotypic Analysis, Metabolic Profiling and Clinical Correlations in Parkinson's Disease Patients from Tamil Nadu Population, India.](#)

Author Names :D. Venkatesan, M. Iyer, S. et al

Journal Name :Journal of Molecular Neuroscience.

Title of the Paper :[Assessment of hematological and biochemical alterations as markers in an Indian major carp Catla catla exposed to various concentrations of zinc oxide nanoparticles.](#)

Author Names : B. Rangasamy, M. Ramesh, D. Hemalatha, C. Shobana, A. Narayanasamy

Journal Name : International Journal of Aquatic Biology.

Title of the Paper :[Role of heavy metals \(Copper \(Cu\), Arsenic \(As\), Cadmium \(Cd\), Iron \(Fe\) and Lithium \(Li\)\) induced Neurotoxicity](#)

Author Names : V. Balachandar, S. Atchaya, S. Priyanka, S.A . Kripa, Md. Younus Pasha, S. Harysh Winster, A. V. Gopalakrishnan, G. Singaravelu, Janardhana kumar reddy, N. Ayyadurai, R. K. Nandha, G. Bupesh,K.R.S. Sambasiva Rao, N. Senthil Kumar, N.Arul, I. Mahalaxmi, V. Dhivya

Journal Name :Chemosphere.

Title of the Paper : [An anxious relationship between Autism Spectrum Disorder and Gut Microbiota: A tangled chemistry?](#)

Author Names : V. Balachandar, S. Aishwarya, B. Jancy. S. Abhishek, S. Harysh winster, V. Padmavathi, N. Arul, M. Sujitha Mariappan, R. Sangeetha, A. V. Gopalakrishnan, R. Parthasarathi, I. Mahalaxmi

Journal Name :Journal of Clinical Neuroscience.

Title of the Paper :[New insights into Epigenetics as an Influencer: An associative study between maternal prenatal factors in Autism Spectrum Disorder \(ASD\).](#)

Author Names :V. Balachandar , I. Mahalaxmi , R. Neethu, N. Arul, A. V. Gopalakrishnan.

Journal Name :Neurology Perspectives.

2021

Title of the Paper :[Autismspectrum disorder \(ASD\) – A case-control study to investigate the prenatal, perinatal and neonatal factors in Indian Population](#)

Author Names :V. Balachandar , G. Bharathi , K. Jayaramayya ,A. Venugopal ,I. Mahalaxmi ,A. Narayanasamy , A. Bharathi ,A. V. Gopalakrishnan , N.Senthil Kumar , M. D. Subramaniam

Journal Name :Brain Disorders.

Title of the Paper :[Spathulenol attenuates 6- hydroxydopamine induced neurotoxicity in SH-SY5Y neuroblastoma cells](#)

Author Names :R B. Manjima, S. Ramya, T. Saranya, K. Kavithaa, S. Harysh Winster, V. Balachander, M. Paulpandi, N. Arul

Journal Name :Gene Reports.

Title of the Paper :[Fabatin-loaded silica nanoparticle-induced apoptosis via mitochondrial dysfunction: targeting the PI3K/AKT molecular pathway as a therapeutic implication against triple negative breast cancer](#)

Author Names :S. Ramya, T. Saranya, K. Kavithaa, S. Harysh Winster, V. Balachander, M. Paulpandi, N. Arul.

Journal Name :New Journal of Chemistry.

Title of the Paper :[Mucormycosis: An opportunistic pathogen during COVID-19](#)

Author Names :I. Mahalaxmi, K. Jayaramayya, V. Dhivya, S. Mohana Devi, K Renu, V. Padmavathi, N. Arul, A. V. Gopalakrishnan, N. Senthil Kumar, P. Sivaprakash, K.RS Sambasiva Rao, V. Balachandar

Journal Name :Environmental Research.

Title of the Paper :[Sitoserol-fabricated chitosan nanocomplex induces apoptotic cell death through mitochondrial dysfunction in lung cancer animal model: an enhanced synergetic drug delivery system for lung cancer therapy.](#)

Author Names : K. Kavithaa, M. Paulpandi, S. Ramya, M. Ramesh, V. Balachandar, K. Ramasamy, and N. Arul.

Journal Name : New Journal of Chemistry.

Title of the Paper :[Post-COVID pulmonary fibrosis: therapeutic efficacy using with mesenchymal stem cells-how the lung heals](#)

Author Names : M. Vishnupriya, M. Naveenkumar, K. Manjima, NV. Sooryasree, T. Saranya, S. Ramya, S. Harysh Winster, M. Paulpandi, V. Balachandar, N. Arul

Journal Name : European Review for Medical and Pharmacological Sciences, 25(6), 2748-2751, (2021).

Title of the Paper :[Environmental Survival of SARS-CoV-2-A solid waste perspective](#)

Author Names : M. Iyer, T. Sushmita, R. Kaviyarasi, Md. Younus, P. Shraddha, S. Bhupender, R. Neethu, K. Saikrishna, H. J. Kwak, V. Balasubramanian, S B. Jang, G. D. Kumar, U. Anand, N. Arul, K. Masako, S. Mohana Devi, N. Senthil Kumar, R. Ayan, VG. Abilash, P. Ramakrishnan, S. G. Cho, V. Balachandar.

Journal Name : Environmental Research, 26;197:111015, (2021).

Title of the Paper : [Acute and sublethal toxicity of an azole fungicide tebuconazole on ionic regulation and Na⁺ /K⁺ -ATPase activity in a freshwater fish Cirrhinus mrigala.](#)

Author Names : S. Subbiah, M. Ramesh, A. P. Ashokan, N. Arul

Journal Name : International Journal of Fisheries and Aquatic Studies, 361-371 (2021).

Title of the Paper : [Development and Characterization of Phytoniosome Nano Vesicle Loaded with Aqueous Leaf Extracts of Justicia adhatoda and Psidium guajava Against Dengue Virus \(DEN-2\).](#)

Author Names : K.W. Dhanya, G. Shyamala, M. Paulpandi, N. Arul, S. Karthik, K. Arjunan, V. Sankar.

Journal Name : Journal of Cluster Science, 32, 297-304 (2021)

Title of the Paper : [pH Dependent Drug Release of Silibinin, a Polyphenol conjugated with Magnetic Nanoparticle against the Human Colon Cancer Cell](#)

Author Names : S.Ramya, T. Saranya, K.Kavithaa, S. Preethi, R. Harysh Winster, V. Balachander, M. Paulpandi, N. Arul

Journal Name : Journal of Cluster Science, 32, 305–317 (2021).

2020

Title of the Paper : [Responses of metabolic enzymes \(GOT, GPT and LDH\) in an Indian major carp cirrhinus mrigala exposed to titanium dioxide \(TiO₂\) nanorods under short-term exposure](#)

Author Names : B. Rangasamy, A. Anila, M. Ramesh, N. Arul

Journal Name : Ecotoxicology and Environmental Contamination, 15:69-78(2020).

Title of the Paper : [Biochemical responses of a freshwater fish Cirrhinus mrigala exposed to tris\(2-chloroethyl\) phosphate \(TCEP\)](#)

Author Names : Z. J. Sutha, P. A. Anila, S. Umamaheswari, M. Ramesh, N. Arul, P. Rama-Krishnan

Journal Name : Environmental Science and Pollution Research, 27, 34369–34387 (2020).

Title of the Paper : [Biosurfactants and anti-inflammatory activity: A potential new approach towards COVID-19.](#)

Author Names : S. Mohana Devi, V. Dhivya, M. Iyer, S. Sarathbabu, G. Vivekanandhan, R. Ayan, N. Arul, K. Siva, V.G. Abilash, T. Raviminickam, N. Senthil Kumar, V. Balachandar

Journal Name : Current opinion in environmental science & health, 17, 72-81, (2020).

Title of the Paper : [Production and application of polyclonal antibodies against SARS-CoV-2 viral spike protein. Development to rapid, highly sensitive diagnosis kit for early Corona viral detection among the population.](#)

Author Names : K Kavithaa, M Paulpandi, V Balachandar, M Ramesh, N. Arul

Journal Name : European Review for Medical and Pharmacological Sciences, 24 (19), 10219-10221 (2020).

Title of the Paper : [Kynurenine pathway in Parkinson's disease–An update](#)

Author Names : V. Dhivya, M. Iyer, N. Arul, k. Siva, V. Balachandar

Journal Name : eNeurologicalSci, 21, 100270 (2020).

Title of the Paper : [Transcriptional, biochemical and histological alterations in adult zebrafish \(Danio rerio\) exposed to benzotriazole ultraviolet stabilizer-328](#)

Author Names : D. Hemalatha, R. Basuvannan, N. Bojan, M. Kannan, N. Arul, M. Ramesh

Journal Name : Science of The Total Environment, 739, 139851 (2020).

Title of the Paper : [Novel Wastewater Surveillance Strategy for Early Detection of COVID - 19 Hotspots](#)

Author Names : V. Anila, G. Harsha, S. Suresh, S. Raja, G. Vivekanandhan, A. Manimekalan, N. Arul, P. Sivaprakash, P. Rahman, V. G. Abilash, S. Zothan, V. Balachandar

Journal Name : Current Opinion in Environmental Science & Health, 17, 8-13 (2020).

Title of the Paper : [Follow-up studies in COVID-19 recovered patients - is it mandatory ?](#)

Author Names : V. Balachandar, M. Iyer, S. Mohana Devi, J. Kaavya, N. Senthil Kumar, L. Gracy, N. Arul, P. Janardhana Kumar Reddy, P. Sivaprakash, S. Kanchana, G. Vivekanandhan, S. Goo Cho

Journal Name : Science of The Total Environment, 729, 139021 (2020).

Title of the Paper : [Enhanced apoptogenesis and oncogene regulatory mechanism of troxerutin in triple negative breast cancer cells](#)

Author Names : T. Saranya, K. Kavithaa, M. Paulpandi, S. Ramya, S. Preethi, V. Balachander, and N. Arul

Journal Name : Toxicology Research, 9, 3, 230-238 (2020).

Title of the Paper : [Could host cell receptor alteration prevent SARS-CoV-2 viral entry? - Hype or hope.](#)

Author Names : M. Paulpandi, K. Kavithaa, A. Asaikkutty, V. Balachandar, N. Ayyadurai, N. Arul

Journal Name : European Review for Medical and Pharmacological Sciences, 24 (8), 4554-4557 (2020).

Title of the Paper : [COVID-19: A promising cure for the global panic](#)

Author Names : V. Balachandar, J. Kaavya, M. Iyer, N. Arul, G. Vivekanandan, G. Bupesh, S. Ganesan, V. Anila, V. Dhivya, G. Harsh, R. Kamarajan, P. Rahman, S. G. Cho, N. Senthil Kumar, S. Mohana Devi

Journal Name : Science of The Total Environment 725: 138277 (2020).

Title of the Paper : [COVID-19: Emerging protective measures](#)

Author Names : V. Balachandar, I. Mahalaxmi, J. Kaavya, N. Arul, G. Vivek, S. Ajithkumar, G. Singaravelu, SK Nachimuthu, S. Mohana Devi

Journal Name : European Review for Medical and Pharmacological Sciences, 24(6):3422-3425(2020).

Title of the Paper : [Understanding the Role of the Transcription Factor Sp1 in Ovarian Cancer: from Theory to Practice](#)

Author Names : V. Balachandar, M. Iyer, M. Devi Subramaniam, N. Arul, K. Jayaramayya, Z. Siama, B. Giridharan, A. Abdal Dayem, S. G. Cho

Journal Name : International Journal of Molecular Sciences, 21(3): 1153(2020).

Title of the Paper : [Unraveling correlative roles of Dopamine transporter \(DAT\) and Parkin in Parkinson's disease \(PD\) - A road to discovery?](#)

Author Names : J. Kaavya, I. Mahalaxmi, V. Dhivya, B. Venkatesh, S. M. Devi, S. G. Cho, N. Arul, N. Balachandar.

Journal Name : Brain Research Bulletin, 157, 169-179(2020).

Title of the Paper : [Purinergic signalling pathway: Therapeutic target in ovarian cancer](#)

Author Names : C. Nisha, M. Iyer, Z. Siama, N. Arul, V. Balachandar.

Journal Name : Egyptian Journal of Medical Human Genetics, 21, 23 (2020)

Title of the Paper : [Seasonal variations among dengue vector mosquitoes in rural settings of Thiruvavur District in Tamil Nadu, India](#)

Author Names : S. Arpita, A. Rajalakshmi, K. Subash, S. Jayakumar, S. Pradeep Kumar, N. Arul, E. Alex and K. Jayalakshmi

Journal Name : Journal of Vector Borne Diseases, 57, 63-70(2020).

2019-2004

Title of the Paper : [Comparative Toxicity Of Uv-Filter Octyl Methoxycinnamate And Its Photoproducts On Zebrafish Development](#)

Author Names : B. Nataraj, K. Maharajan, D. Hemalatha, B. Rangasamy, N. Arul, M. Ramesh.

Journal Name : Total Environmental Science, 718 (2019).

Title of the Paper : [New insight into NANOG: A novel therapeutic target for ovarian cancer \(OC\)](#)

Author Names : M. Iyer, S. MohanaDevi, J. Kaavya, N. Arul, V. Balachandar, K. S. Santhy

Journal Name : European Review of Pharmacology 5;852, 51-57 (2019).

Title of the Paper : [Recent Advances in Radiotherapy and its Associated Side Effects in Cancer - A Review](#)

Author Names : M. Gomathi, TP. Ayisha hamna, AJ. Jijo, KM. Saradha Devi, N. Arul, V. Balachandar

Journal Name : The Journal of Basic and Applied Zoology, 80, 14 (2019).

Title of the Paper : [Excessive Carbohydrate Consumption and Body Mass Index - The Risk Factors for Type 2 Diabetes Mellitus in Patients with Prader-Willi Syndrome in Tamil Nadu Population](#)

Author Names : V. Padmavathi, N. Arul, V. Balachandar

Journal Name : The Journal of Basic and Applied Zoology, 79, 54 (2018).

Title of the Paper : [A Time-course Study of Long Term Over-expression of ARR19 in Mice](#)

Author Names : Qamar I, F. Z. Ahmad, N. Arul.

Journal Name : Scientific Reports 5, 13014 (2015).

Title of the Paper : [Toxicological Effects of Clofibric acid and Diclofenac on Plasma Thyroid Hormones of an Indian Major Carp, Cirrhinus mrigala During Short and Long-term Exposures](#)

Author Names : M. Saravanan, N. Arul, H. Jang-Hyun, M. Ramesh

Journal Name : Environmental Toxicology and Pharmacology , 38(3), 948-58 (2014).

Title of the Paper : [Rising Cancer Prevention Target of RSK2 in Human Skin Cancer](#)

Author Names : N. Arul, CA. Yong-Yeon

Journal Name : Frontiers in Oncology, 5;3, 201 (2013).

Title of the Paper : [Fucosylated glycoproteomic Approach to Identify a Complement Component 9 Associated with Squamous Cell Lung Cancer \(SQLC\).](#)

Author Names : N. Arul, J. M. Ahn, H. J. Sung, D. H. Kong, K. S. Ha, S. Y. Lee, J. Y. Cho

Journal Name : Journal of Proteomics, 74;12, 2948-2958 (2011).

Title of the Paper : [Larvicidal and Insect Growth Regulator Effect of \$\alpha\$ -amyrinacetate from Catharanthus roseus Linn Against the Malaria Vector Anopheles stephensi Liston](#)

Author Names : K. Chenniappan, M. Kadarkari, N. Arul, Y. Perumal

Journal Name : Entomological Research, 39;1 (78-83) (2009).

Title of the Paper : [Studies on Effects of Pelargonium Citrosa Leaf Extracts on Malarial Vector, Anopheles stephensi Liston \(Diptera: Culicidae\).](#)

Author Names : D. Jeyabalan, N. Arul, P. Thangmathi

Journal Name : Bio Resource Technology, 89;2, 185-189 (2003).

Books(Year wise)

Books(Chapter wise)

Title of the Paper : Big Data in Tribal Healthcare and Biomedical Research

Author Names : V. Dhivya, V.G. Abilash, Narayanasamy Arul, Chhakchhuak Lalchhandama, V. Balachandar, N. Senthil Kumar.

Title of the Book : Big Data Applications in Industry 4.0.

Name of the Publishers : Auerbach Publications.(2022)

ISBN : 9781003175889

Title of the Paper : What we know about the life-threatening novel human coronavirus.

Author Names : H. Claude, N. Arul, V. Balachandar and V. Dhivya

Title of the Book : The Coronavirus Pandemic and the Future

Name of the Publishers : Reading Room, RSC Publications, (2020).

ISBN : 978-1-83916-365-4

Alumini Reflections: