CURRICULUM VITAE

Dr. Arunachalam Chinnathambi
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EDUCATIONAL QUALIFICATION

2002-2007 Doctor of Philosophy in Microbiology, from Bharathidasan University, Trichy, INDIA.

1997-1999 Master of Science in Microbiology, with 1st Class, Bharathidasan University, Trichy, INDIA.

1994-1997 Bachelor of Science in Microbiology, with 1st Class, Bharathidasan University, Trichy, INDIA.

1992-1994 H.Sc.from Govt. Higher Secondary School, with 1st Class, Keeramangalam, Tamil Nadu, INDIA.

1991-1992 High Schooling from Govt. Higher Secondary School, with 1st Class Keeramangalam, Tamil Nadu, INDIA.

1997 Diploma in Computer Application (**DCA**), with 1st Class, SUN Computer Center Pudukkottai, Tamil Nadu, INDIA.

1999 Diploma in Oops and Windows Programming (**DOWP**), with 1st Class, Computer Software College (CSC), Tamil Nadu, INDIA.

2002 Post Graduate Diploma in E-Commerce (**PGDe.com**), with 1st Class, TCPS InfoTech India (p) Ltd, Chennai, Tamil Nadu, INDIA.

POSITIONS AND EMPLOYMENT

Position Held	Name of the Institution	From	To	Accountabilities
Associate Professor in Microbiology	King Saud University, Riyadh, Kingdom of Saudi Arabia	27-03-2017	Till date	Teaching for UG and PG Microbiology students and Co-supervision of PG and Ph.D. Scholar
Assistant Professor in Microbiology	King Saud University, Riyadh, Kingdom of Saudi Arabia	24-01-2011	26-03-2017	Teaching for UG and PG Microbiology students and Co- supervision of PG and Ph.D. Scholar.
Head of the Department in Microbiology	PG and Research Department of Microbiology Sri Sankara Arts and Science College, Enathur, Kanchipuram, Tamil Nadu, INDIA	07-08-2009	09-12-2010	Teaching for PG and M.Phil. Microbiology students and Research Supervision of PG and M.Phil. Scholar. Organization of the M.Phil microbiology course and development of M.Phil. Microbiology Research Laboratories.
Head of the Department in Microbiology	PG Department of Microbiology Sri Venkateshwara College of Arts and Science, Peravurani, Thanjavur District, Tamilnadu, India	16-06-2000	05-08-2009	Teaching for UG and PG Microbiology students and Research Supervision of PG and M.Phil Scholar. Organization of the M.Sc. and M.Phil microbiology course and development of M.Sc. and M.Phil. Microbiology Research Laboratories

QUALIFICATION APPROVAL

- Received M. Phil Research Adviser Recognition from Bharathidasan University and University of Madras
- Received Approval for Lecturer in Microbiology from Bharathidasan University and University of Madras as per UGC norms.

AWARDS

2009-2010 Outstanding Research Award (Sri Sankara Arts and Science College, Kanchipuram).

FIELD OF SPECIALIZATION

General Bacteriology

OVERSEAS TRAINING

Attended short term training course in anti-cancer drug discovery techniques in the research unit of Japanese **Prof. Naoki Yamamoto** at the Department of Microbiology, National University of Singapore.

Attended training on designs bioinspired polymers, develops anti-fouling technology, and creates potential applications at **Prof. Yung Chang**, Research Units, Chung Yuan University, Taipei, Taiwan.

ACADEMIC ACHIEVEMENTS

COURSES TAUGHT

The following subjects to teach the PG and M.Phil. Microbiology students.

- ✓ General Microbiology
- ✓ Microbial Biotechnology
- ✓ Medical Microbiology
- ✓ Industrial Microbiology

- ✓ Fermentation Technology
- ✓ Molecular Biology and Genetic engineering
- ✓ Microbial Genetics
- ✓ Research Methodology
- ✓ Microbial Physiology

ORGANIZING SECRETARY & CO-ORDINATOR FOR SEMINOR AND WORKSHOP

1. State Level two days Training Workshop on Collection, Preservation and Identification of Common Coastal and Marine fauna & flora occurring in Mallipattinam along South East Coast of India. Sponsored by **Tamilnadu State Council for Science & Technology – Chennai. (29th & 30th December 2004).**

2. Orientation Course on Biological Sciences for P.G. Teachers of Government and Aided Schools of Thanjavur District**. Sponsored by Tamilnadu State Council for Science and Technology –Chennai and NCST-New Delhi**. (**24th to 26th August 2006).**

3. A Science and Technology awareness programme for senior school students of Thanjavur, Thrivavur & Nakappattinam District. **Sponsored by Tamilnadu State Council for Science and Technology –Chennai (15th – 17th February 2008).**

SEMINARS, WORKSHOPS PARTICIPATED IN NATIONAL, REGIONAL AND INTERNATIONAL CONFERENCES:

Special training attended	05
Workshop attended	07
Papers presented	18
Refresher course attended	02

Soft skills development course attended (SSD)	01
Faculty Development Programme (FDP)	02

RESEARCH GUIDANCE

Degree	Degree Awarded	Thesis Submitted	Presently Guiding
M.Sc.	**28**	**-**	**2***
M.Phil.	**17**	**-**	**-**
Ph.D.	**-**	**-**	**-**

***Co-guide**

MEMBERSHIP IN PROFESSIONAL SOCIETIES

Association of Microbiologist of India

Membership in International Academy of Arts, Science and Technology

Society of Anaerobic Microbiology

Welsh Microbiological Association

International Society for Infectious Diseases

REVIEWER OF THE FOLLOWING JOURNA

Journal of Basic Microbiology

World Journal of Microbiology and Biotechnology

Journal of Microbiology and Biotechnology

World Journal of Pharmaceutical Sciences

Saudi Journal of Biological sciences

African journal of Microbiology Research

ABROAD VISITS

Country	Purpose of the visit	Location
Singapore	Training program	National University of Singapore NUS), Temasek Lifesciences Laboratory (TLL) Singapore
United Kingdom	Paper Presentation	University of London, London.
United Kingdom	Visiting	University of Cambridge
United Kingdom	Visiting	University of Oxford
USA	Paper Presentation	Raleigh- Browne stone University
USA	Visiting	North Carolina State University
USA	Visiting	Columbia University
Malaysia	Paper Presentation	University Putra Malaysia (UPM)
China	Paper Presentation	Double tree by Hilton, Beijing
Taiwan	Training Program	Chung Yuan University, Taipei, Taiwan

CURRENT RESEARCH PROFILE

Current Areas of Research Interest:

- ✓ Bioactive compounds from Actinomycetes
- ✓ Oncology (Develops more specific targeted oncogene)
- ✓ Biomaterials and Biomolecular Sciences (Develops anti-fouling technology and creates potential application)

RESEARCH FOCUS

Metastatic cancers are generally considered to be incurable; therefore, new prognostic markers are urgently needed to identify patients at the highest risk for developing metastases and to enable oncologists to begin tailoring targeted treatments. My research members were recently identified a novel oncogene whose function in various cancers is attributable to its ability to activate oncogenic pathways whose hyperactivity is functionally linked to cancer progression and to acquisition of resistance to chemotherapy. Current research focuses on better understanding the role of this oncogene which offers great potential for the development of more specifically targeted treatment in the battle against cancer and metastatic disease.

My second research interest is a main target to establish the biomimetic molecular regulation of zwitterionic interfaces for both the hemocompatible and general bacterial-resistant control. Biomimetic molecular design will be based on the zwitterionic betaine composition existed in human body. A new generation of zwitterionic alternate copolymer will be designed and synthesized for the creation of hemocompatible and

antibacterial interfaces. Finally, Gram-positive and Gram-negative bacteria will be tested on the prepared zwitteironic interfaces. The new designed alternate copolymer with biomimetic structures are expected to create a good fouling resistance interface in human blood or complex bacterial-containing medium.

RESEARCH SUPPORTS

Collaborator	City& Country	Purpose	Funding Agency	Status
King Saud University	Riyadh-Kingdom of Saudi Arabia	Zwitterionic Alternate Copolymeric Interfaces for the control of General Biofouling Resistance	KACST	On going
SriVenkatewshwara College of Arts and Science	Tamil Nadu INDIA	Isolation, Identification and Purification of seaweeds from Marine resources	TNSCST	Completed
SriVenkatewshwara College of Arts and Science	Tamil Nadu INDIA	Studies on pathogenic bacterium from dairy products	TNSCST	Completed
SriVenkatewshwara College of Arts and Science	Tamil Nadu INDIA	Study on coir pith decomposition employing cyanobacteria	TNSCST	Completed
SriVenkatewshwara College of Arts and Science	Tamil Nadu INDIA	Studies on removal of heavy metal from industrial effluent employing marine cyanobacteria	TNSCST	Completed

RESEARCH PUBLICATIONS

72 Research articles published.

Cumulative Impact factor index (**148.909**).

Scopus AU-ID Number: 55418628900 (Chinnathambi, Arunachalam)

Name Search for Web of Science**:** Chinnathambi, A and Arunachalam, C

DETAIL LIST OF THE PUBLICATIONS

72 papers published in Peer Reviewed International Scientific Indexing (ISI) & Non- ISI Journals

02 book chapters written.

2017.

01. Seung Ho Baek, Jong Hyun Lee, Chulwon Kim, Jeong-Hyeon Ko, Seung-Hee Ryu , Seok-Geun Lee, Woong Mo Yang, Jae-Young Um , **Arunachalam Chinnathambi**, Sulaiman Ali Alharbi, Gautam Sethi,Kwang Seok Ahn. 2017. Ginkgolic Acid C 17:1, Derived from Ginkgo biloba Leaves, Suppresses Constitutive and Inducible STAT3 Activation through Induction of PTEN and SHP-1 Tyrosine Phosphatase. *Molecules*, 22(2): **(ISI-Web of Knowledge -** Impact factor: **5.008).**

02. Lingzhi Wang, Chong En Linus Chan, Andrea Li-An Wong, Fang Cheng Wong, Siew Woon Lim, **Arunachalam Chinnathambi**, Sulaiman Ali Alharbi, Lawrence Soon-U Lee, Ross Soo, Wei Peng Yong, Soo Chin Lee, Paul Chi- Lui Ho, Gautam Sethi and Boon Cher Goh. 2017. Combined use of irinotecan with histone deacetylase inhibitor belinostat could cause severe toxicity by inhibiting SN-38 glucuronidation *via* UGT1A1. *Oncotarget*, Advance Publications 2017. **(ISI-Web of Knowledge -** Impact factor: **5.008).**

03. Yuju Shih, Antoine Venault, Lemmuel L. Tayo, Sheng-Han Chen, Akon Higuchi, Andre Deratani, **Arunachalam Chinnathambi**, Sulaiman Ali Alharbi, Damien Quemener, Yung Chang. 2017. A Zwitterionic-Shielded Carrier with pH-ModulatedReversible Self-Assembly for Gene Transfection. *Langmuir : the ACS journal of surfaces and colloids*, 33(8):1914-1926. **(ISI-Web of Knowledge -** Impact factor: **3.993).**

04. Xiaoyun Dai, Lingzhi Wang, Amudha Deivasigamni, Chung Yeng Looi, Chandrabose Karthikeyan, Piyush Trivedi, **Arunachalam Chinnathambi**, Sulaiman Ali Alharbi, Frank Arfuso, Arunasalam Dharmarajan, Boon Cher Goh, Kam Man Hui, Alan Prem Kumar, Mohd Rais Mustafa, Gautam Sethi. 2017. A novel benzimidazole derivative, MBIC inhibits tumor growth and promotes apoptosis via activation of ROS-dependent JNK signaling pathway in hepatocellular carcinoma. *Oncotarget*, Vol. 8, (No. 8), pp: 12831-12842. **(ISI-Web of Knowledge -** Impact factor: **5.008).**

05. Raghu Ningegowda, Nanjunda Swamy Shivananju, Peramiyan Rajendran, Basappa, Kanchugarakoppal S. Rangappa, **Arunachalam Chinnathambi**, Feng Li, Raghu Ram Achar, Muthu K. Shanmugam, Pradeep Bist, Sulaiman Ali Alharbi, Lina Hsiu Kim Lim, Gautam Sethi, Babu Shubha Priya.2017. A novel 4,6-disubstituted-1,2,4-triazolo-1,3,4-thiadiazole derivative inhibits tumor cell invasion and potentiates the apoptotic effect of TNFα by abrogating NF-κB activation cascade. *Apoptosis*, 22:145–157. **(ISI-Web of Knowledge -** Impact factor: **3.592).**

06. Antoine Venault, Ko-Jen Hsu, Lu-Chen Yeh, **Arunachalam Chinnathambi**, Hsin-Tsung Ho, Yung Chang. 2017. Surface charge-bias impact of amine-contained pseudozwitterionicbiointerfaces on the human blood compatibility. *Colloids and Surfaces B: Biointerfaces* 151: 372–383. **(ISI-Web of Knowledge -** Impact factor: **3.902).**

07. Jingwen Zhang, Sakshi Sikka, Kodappully S. Siveen, Jong Hyun Lee, Jae-Young Um, Alan Prem Kumar, **Arunachalam Chinnathambi**, Sulaiman Ali Alharbi, Basappa, Kanchugarakoppal S. Rangappa, Gautam Sethi, Kwang Seok Ahn. 2017. Cardamonin represses proliferation, invasion, and causes apoptosis through the modulation of signal transducer and activator of transcription 3 pathway in prostate cancer. *Apoptosis*, 22:158–168. **(ISI-Web of Knowledge -** Impact factor: **3.592).**

2016.

1. Shanmugam Velayuthaprabhu, **Arunachalam Chinnathambi**, Sulaiman Ali Alharbi, Hidehiko Matsubayashi, Govindaraju Archunan. 2016. Relationship Between Fetal Loss and Serum Gonadal Hormones Level in Experimental Antiphospholipid Syndrome Mouse. *Indian Journal of Clinical Biochemistry*.1-6 **(ISI-Web of Knowledge)**

2. Pei-Shi Ong , LingzhiWang , Deborah Miao-Hui Chia , Jolyn Yu-Xin Seah, Li-Ren Kong, Win-Lwin Thuya , **Arunachalam Chinnathambi**, Jie-Ying Amelia Lau, Andrea Li-AnnWong ,Wei-Peng Yong, Daiwen Yang, Paul Chi-Lui Ho, Gautam Sethi, Boon-Cher Goh. **2016**. A novel combinatorial strategy using Seliciclib and Belinostat for eradication of non-small cell lung cancer via apoptosis induction and BID activation.*Cancer letters*, 381(1), 49-57. **(ISI-Web of Knowledge -** Impact factor: **5.174)**

3. Gnanajothi Kapildev, **Arunachalam Chinnathambi**, Ganeshan Sivanandhan, Manoharan Rajesh, Venkatachalam Vasudevan, Subramanian Mayavan, Muthukrishnan Arun, Murugaraj Jeyaraj, Sulaiman Ali Alharbi, Natesan Selvaraj, Andy Ganapathi.**2016**.High-efficient Agrobacterium-mediated in planta transformation in black gram (Vigna mungo (L.) Hepper). ***Acta physiologiae plantarum*.** 38(8), 1-13. **(ISI-Web of Knowledge -** Impact factor: **1.692)**

4. AntoineVenault, Ta-ChinWei, Hsiao-LinShih, Chin-ChengYeh, **Arunachalam Chinnathambi**, SulaimanAliAlharbi , SéverineCarretier , PierreAimar , Juin-YihLai, YungChang. **2016**. Antifouling pseudo-zwitterionicpoly(vinylidene fluoride) membranes with efficient mixed-chargesurfacegraftingviaglowdielectricbarrier dischargeplasma-inducedcopolymerization. *Journal of membrane science***, 516**, 13-25. **(ISI-Web of Knowledge -** Impact factor: **5.741)**

5. Muthukrishnan Arun, **Arunachalam Chinnathambi**, Kondeti Subramanyam1, Sivabalan Karthik, Ganeshan Sivanandhan, Jeevaraj Theboral, Sulaiman Ali Alharbi, Chang Kil Kim, Andy Ganapathi. 2016. Involvement of exogenous polyamines enhances regeneration and Agrobacterium-mediated genetic transformation in half-seeds of soybean. *3 Biotech*, 6:148,1-12. **(ISI-Web of Knowledge -** Impact factor: **1.042)**

6. Antoine Venault, Wen-Yu Huang, Sheng-Wen Hsiao, **Arunachalam Chinnathambi**, Sulaiman Ali Alharbi, Hong Chen, Jie Zheng, and Yung Chang. **2016.** Zwitterionic Modifications for Enhancing the Antifouling Properties of Poly (vinylidene fluoride) Membranes. *Langmuir*, 32(16)4113-4124. **(ISI-Web of Knowledge -** Impact factor: **4.543)**

6. Chakrabhavi Dhananjaya Mohan, V. Srinivasa, Shobith Rangappa, Lewis Mervin, Surender Mohan, Shardul Paricharak, Sefer Baday, Feng Li, Muthu K. Shanmugam, **Arunachalam Chinnathambi**, M. E. Zayed, Sulaiman Ali Alharbi, Andreas Bender, Gautam Sethi, Basappa, Kanchugarakoppal S. Rangappa. **2016**. Trisubstituted-Imidazoles Induce Apoptosis in Human Breast Cancer Cells by Targeting the Oncogenic PI3K/Akt/mTOR Signaling Pathway. *Plos one*11, (4)1-15. **(ISI-Web of Knowledge -** Impact factor: **3.535)**

8. Ganeshan Sivanandhan, **Chinnathambi Arunachalam**, Venkatachalam Vasudevan, Gnanajothi Kapildev, Ali Alharbi Sulaiman, Natesan Selvaraj, Andy Ganapathi, Yong Pyo Lim. 2016. Factors affecting Agrobacterium-mediated transformation in Hybanthus enneaspermus (L.) F. Muell. *Plant Biotechnol Rep*, 10:49–60**(ISI-Web of Knowledge -** Impact factor: **1.188)**

9. Antoine Venault, Chih-Chen Ye, Yi-Cun Lin, Ching-Wei Tsai, Jheng-Fong Jhong , Ruoh-Chyu Ruaan, Akon Higuchi, **Arunachalam Chinnathambi**, Hsin-Tsung Ho, Yung Chang. **2016.** Zwitterionic fibrous polypropylene assembled with amphiphatic carboxybetaine copolymers for hemocompatible blood filtration. *Acta Biomaterialia* 40, 130-141. **(ISI-Web of Knowledge -** Impact factor: **6.589)**

10. Seung Ho Baek , Jeong-Hyeon Ko , Hanwool Lee , Jinhong Jung , Moonkyoo Kong , Jung-woo Lee, Junhee Lee , **Arunachalam Chinnathambi** , ME Zayed , Sulaiman Ali Alharbi, Seok-Geun Lee , Bum Sang Shim , Gautam Sethi , Sung-Hoon Kim , Woong Mo Yang , Jae-Young Um , Kwang Seok Ahn, **2016**. Resveratrol inhibits STAT3 signaling pathway through the induction of SOCS-1: Role in apoptosis induction and radiosensitization in head and neck tumor cells. *Phytomedicine* 23, 566-577.**(ISI-Web of Knowledge -** Impact factor: **3.373)**

11. Sulaiman Ali Alharbi, Saleh Hussein Salmen, **Arunachalam Chinnathambi** , Naiyf S. Alharbi , M.E. Zayed , Bassam O. Al-Johny Milton Wainwright. **2016**. Assessment of the bacterial contamination of hand air dryer in washrooms. *Saudi Journal of Biological Sciences;* 23, 268–271. **(ISI-Web of Knowledge -** Impact factor: **1.257)**

12. Mei-Chan Sin, Wen-Lin Lin, Jeff Chang-Hung Chen, Akon Higuchi, Jie Zheng, **Arunachalam Chinnathambi**, Sulaiman Ali Alharbi , Yung Chang. **2016.** Hemocompatible interface control via thermal-activated bio-inspired surface PEGylation. *International journal of polymeric materials and polymeric biomaterials***.** VOL. 65, NO. 8, 409-420**(ISI-Web of Knowledge -** Impact factor: **3.568)**

13. Ramu Muthu Selvam, Gopal Vinothini, Sethuramalingam Palliyarai Thaiyammal, Selvanathan Latha, **Arunachalam Chinnathambi**, Dharumadurai Dhanasekaran, Parasuraman Padmanabhan, Sulaiman Ali Alharbi & Govindaraju Archunan. **2016**. The cell aggregating propensity of probiotic actinobacterial isolates: isolation and characterization of the aggregation inducing peptide pheromone. *Biofouling* Vol. 32 Issue, 1:71-80. **(ISI-Web of Knowledge -** Impact factor: **3.896)**

14. Antoine Venault, Chun-Wei Huang, Jie Zheng, **Arunachalam Chinnathambi,** Sulaiman Ali Alharbi, Yu Chang and Yung Chang. **2016.** Hemocompatible biomaterials of zwitterionic sulfobetaine hydrogels regulated with pH-responsive DMAEMA random sequences. *International journal of polymeric materials and polymeric biomaterials***.** VOL. 65, NO. 2, 65–74**(ISI-Web of Knowledge -** Impact factor: **3.568)**

2015.

1. C. P. Baburajeev, Chakrabhavi Dhananjaya Mohan, Hanumappa Ananda, Shobith Rangappa, Julian E. Fuchs, Swamy Jagadish, Kodappully Sivaraman Siveen, **Arunachalam Chinnathambi,** Sulaiman Ali Alharbi, M. E. Zayed, Jingwen Zhang, Feng Li, Gautam Sethi, Kesturu S. Girish, Andreas Bender, Basappa & Kanchugarakoppal S. Rangappa. **2015.** Development of Novel Triazolo-Thiadiazoles from Heterogeneousb "Green" Catalysis as Protein Tyrosine Phosphatase 1B Inhibitors. ***Scientific Reports*** **(Nature Groups Publisher).** 5: 14195-14195. **(ISI-Web of Knowledge -** Impact factor: **5.597)**

2. Ruthrotha B. Selvi, Amrutha Swaminathan, Snehajyoti Chatterjee, Muthu K. Shanmugam, Feng Li, Gowsica B. Ramakrishnan, Kodappully Sivaraman Siveen, **Arunachalam Chinnathambi,** M. Emam Zayed, Sulaiman Ali Alharbi, Jeelan Basha, Akshay Bhat, Madavan Vasudevan, Arunasalam Dharmarajan, Gautam Sethi and Tapas K. Kundu. **2015.** Inhibition of p300 Lysine Acetyltransferase activity by Luteolin reduces tumor growth in head and neck squamous cell carcinoma (HNSCC) xenograft mouse model. *Oncotarget.* (**ISI- Web of Science -** Impact Factor **6.36).**

3. Ganeshan Sivanandhan**, Arunachalam Chinnathambi,** Natesan Selvaraj , Ali Alharbi Sulaiman , Yong Pyo Lim , Andy Ganapathi.2015. Expression of important pathway genes involved in withanolides biosynthesis in hairy root culture of *Withania somnifera* upon treatment with *Gracilaria edulis* and *Sargassum wightii*. *Plant Physiology and Biochemistry* 91: 61-64. (ISI-Web of Knowledge - Impact factor**: 3.330**).

4. Ramar Perumal Samy, Bradley G. Stiles, **Arunachalam Chinnathambi**, M.E. Zayed, Sulaiman Ali Alharbi, Octavio Luiz Franco, Edward G. Rowan, Alan Prem Kumar, Lina H.K. Lim, Gautam Sethi**.** Viperatoxin-II: A novel viper venom protein as an effective bactericidal Agent. 2015. Vol.5, 928–941. *FEBS Open Bio* (ISI-Web of Knowledge - Impact factor: **1.537)**

5. R. Perumal Samy, J. Manikandan, A. Pachiappan, E.E. Ooi, L.T. Aw, B.G. Stiles,O.L. Franco, M. Kandasamy, K.M. Mathi, G. Rane, K.S. Siveen, **C. Arunachalam,** ME Zayed, S.A. Alharbi, A.P. Kumar, G. Sethi, L.H.K. Lim and V.T. Chow. **2015.** Gene Microarray Analyses of *Daboiarussellirussell*idaboiatoxin Treatment of THP-1 Human Macrophages Infected with *Burkholderiapseudomallei. Current Molecular Medicine***,** ***15,*** **1-14**. **(ISI-Web of Knowledge** - Impact factor: **3.788)**

6. Feng Li, Jingwen Zhang, Frank Arfuso, **Arunachalam Chinnathambi,** M. E. Zayed, Sulaiman Ali Alharbi, Alan Prem Kumar, Kwang Seok Ahn, Gautam Sethi. **2015.** NF-κB in cancer therapy. *Arch Toxicol*. 89:711–731. **(ISI-Web of Knowledge** - Impact factor: **5.980)**

7. Kanjoormana A. Manu, Muthu K. Shanmugam, Lalitha Ramachandran, Feng Li, Kodappully Sivaraman Siveen, **Arunachalam Chinnathambi,** M.E. Zayed, Sulaiman Ali Alharbi, Frank Arfuso, Alan Prem Kumar, Kwang Seok Ahn, Gautam Sethi.**2015.** Isorhamnetin augments the anti-tumor effect of capeciatbine throughthe negative regulation of NF-κB signaling cascade in gastric cancer. *Cancer Letters* 363: 28–36. **(ISI-Web of Knowledge** - Impact factor: **5.621)**

8. Kondeti Subramanyam, **Arunachalam Chinnathambi**, Rasu Manimuthu Thaneswari, Ali Alharbi Sulaiman, Markandan Manickavasagam, Andy Ganapathi. 2015. Highly efficient Agrobacterium-mediated in planta genetic transformation of snake gourd (Tricosanthes cucumerina L.).*Plant Cell Tissues Organ Culture*. 123(1): 133-142. (ISI-Web of Knowledge - Impact factor: 2.115)

9. Sulaiman Alnaimat , Naiyf S. Alharbi, Sulaiman Ali Alharbi**,** Saleh H. Salmen, **Arunachalam Chinnathambi,** Bassam O. Al Johny , M. Wainwright .**2015.** Mycelium of fungi isolated from mouldy foodsinhibits Staphylococcus aureus including MRSA –A rationale for the reintroduction of mycotherapy?. *Saudi Journal of Biological Sciences*. 22:600–603. **(ISI-Web of Knowledge** - Impact factor: **1.257)**

10**.** Xiaoyun Dai, Jingwen Zhang, Frank Arfuso, **Arunachalam Chinnathambi**, ME Zayed, Sulaiman Ali Alharbi, Alan Prem Kumar, Kwang Seok Ahn and Gautam Sethi. **2015.** Targeting TNF-related apoptosis-inducing ligand (TRAIL) receptor by natural products as a potential therapeutic approach for cancer therapy. *Experimental biology and medicine.* 240 (6): 760-773. **(ISI-Web of Knowledge** - Impact factor: **2.593)**

11. Lemmuel L. Tayo, Antoine Venault, Vryan Gil R. Constantino, Alvin R. Caparanga, **Arunachalam Chinnathambi** , Sulaiman Ali Alharbi , Jie Zheng, Yung Chang. **2015.** Hemocompatibility and Diffusion Kinetic of Poly (DMAEMA-*co*-PEGMA) Hydrogels for Controlled Release of Insulin. *Journal of Applied Polymer Science*. 132(32):1-12**(ISI- Impact factor: 1.640**). **(ISI-Web of Knowledge** - Impact factor: **1.768)**

12. Antoine Venault, Yong-Sheng Zheng, **Arunachalam Chinnathambi**, Sulaiman Ali Alharbi, Hsin-Tsung Ho, Yu Chang, Yung Chang. **(2015)** "Stimuli-Responsive and Hemocompatible Pseudozwitterionic Interfaces", *Langmuir*, (SCI, 2013 Impact factor: 4.384). **(ISI-Web of Knowledge** - Impact factor: **4.543)**

13. Muthu Shanmugam, Grishma Rane, Kanchi Madhu Mathi, Frank Arfuso, **Arunachalam Chinnathambi,** M.E. Zayed, Sulaiman Ali Alharbi, Benny Tan, Alan Prem Kumar, Gautam Sethi. **(2015).**The Multifaceted Role of Curcumin in Cancer Prevention and Treatment. *Molecules.*20: 2728-2769. **(ISI-Web of Knowledge** - Impact factor: **2.791)**

14. Abdel-Nasser M.A. Alaghaz, Mohamed E. Zayed, Suliman A. Alharbi , Reda A.A. Ammar, **Arunachalam Chinnathambi**. **(2015).** Synthesis, spectroscopic identification, thermal, potentiometric and antibacterial activity studies of 4-amino-5-mercapto-S-triazole Schiff's base complexes. *Journal of Molecular Structure*. 1087: 60–67 **(ISI-Web of Knowledge -** Impact factor: **1.602)**

15. Mei-Chan Sin Pei-Tzu Lou Chia-He Cho, **Arunachalam Chinnathambi**, Sulaiman Ali Alharbi Yung Chang. **(2015).** An intuitive thermal-induced surface zwitterionization for versatile, well-controlled haemocompatible organic and inorganic materials. *Colloids and Surfaces B: Biointerfaces.* 127: 54-64. **(ISI-Web of Knowledge -** Impact factor: **4.152)**

16. Ramar Perumal Samy, Maung Maung Thwin , Brad G. Stiles, Seetharama Satyanarayana-Jois , **Arunachalam Chinnathambi** , ME Zayed, Sulaiman Ali Alharbi, Kodappully Sivaraman Siveen, Sakshi Sikka, Alan Prem Kumar, Gautam Sethi, Lina Hsiu Kim Lim. **(2015).** Novel phospholipase A2 inhibitors from python serum are potent peptide antibiotics. *Biochimie*.111: 30-44. **(ISI-Web of Knowledge -** Impact factor: **3.124).**

17. Dharumaduari Dhanasekaran, Rashmi Sharon, Naiyf S. Alharbi, **Chinnathambi Arunachalam,** Sulaiman Ali Alharbi and Nooruddin Thajuddin. **2015**. Characterization and Identification of Biofilm Forming Bacterial Isolate *Shewanella* sp. DDR4 Journal of Applied Microbiology1 (2) 2014 pp 96 - 106

18. Chari Nithya, Felix LewisOscar, Selvaraj Kanaga, Renganathan Kavitha, Dhamodharan Bakkiyaraj, Manivel Arunkumar, **Naiyf S. Alharbi**, **Arunachalam Chinnathambi,** Sulaiman Ali Alharbi, Nooruddin Thajuddin. **2015.** Biofilm inhibitory potential of *Chlamydomonas* sp. extract against *Pseudomonas aeruginosa*.J. Algal Biomass Utln**.** 2014, 5 (4): 74-81

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CAREER GOAL:

I have an aim to achieve in the field of Microbiology and Biotechnology especially by doing motivated research

I declare that the above information is true and correct to the best of my knowledge and belief.

Yours truly,

Dr. Arunachalam Chinnathambi