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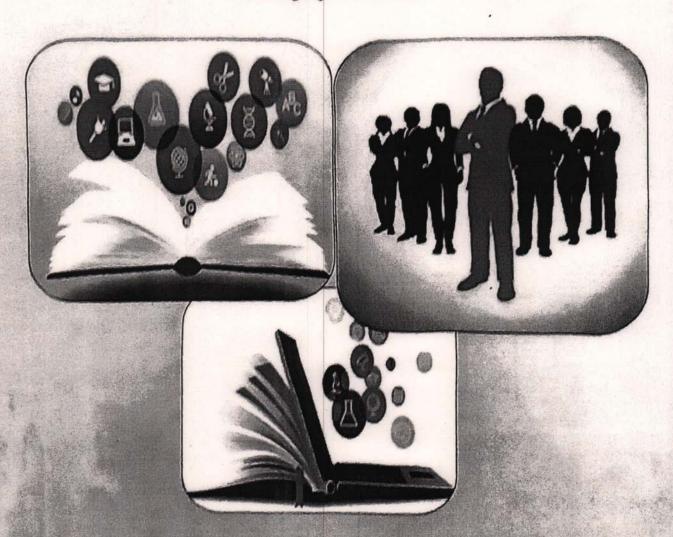
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About Editors



Priya Lokare is an Asst. Professor of Bolany at Loknete Ramdas Patti Dhumal Arts, Science & Commerce College, Rahuri, Ahmadnager, Maharashira, India, 413705. She has completed her M.Sc. Bolany from S. P. Pune University Pune, Maharashira, India. She is having fond of Bolany and is always interested in doing something creative and fruitfut. Priya has been published thirteen research papers and one book chapter. She has seven years of teaching experience with undergraduate and postgraduate level students.

Apart from this, she has published five books, including that, she has participated in many States, National, and international level seminars and conferences and presented research papers. She has completed a one-month induction Programme held at the Indian Institute of Science Education and Research (IISER). Pune from 12th Nov-8th Dec 2010. She has also completed ten days FDP Programme at Savitribal Phute Pune University, Pune, on the Biodiversity and Chemical Ecology from 20th Fab. to 29th Feb. 2020. She has attended various online weblinars, training programs, courses, conferences. She received the Glanter-X Nation Choice Award for best research scholar in 2021.



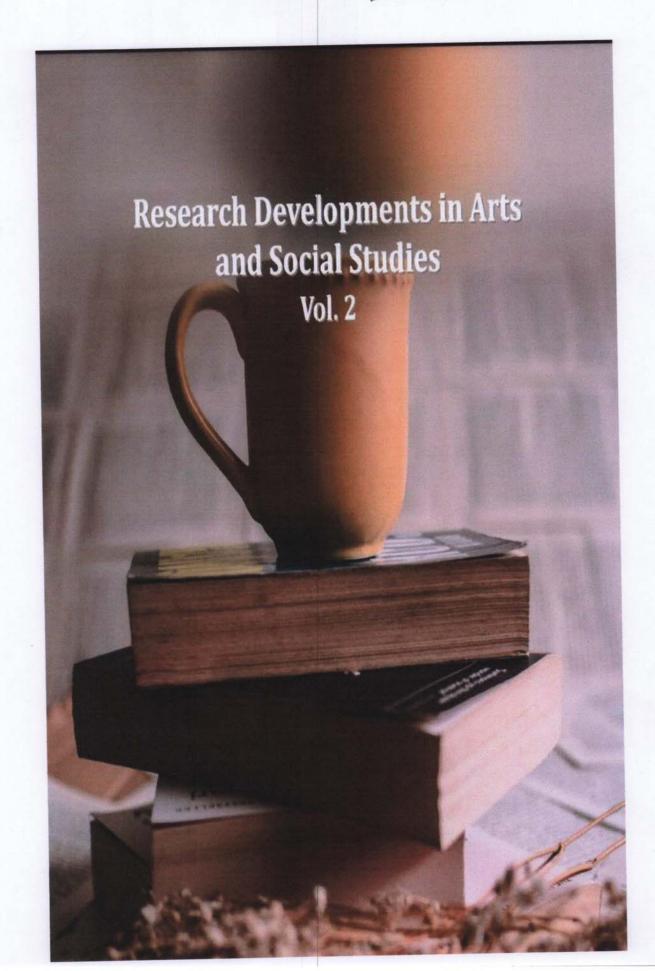
Or E Keshamma has been an Associate Professor Department of Blochemistry at Maharani Cluster University, Bengaturu, India. She has obtained MSc, and MiPhil. Degree from (Gulbarga University) and PhiD. Degree from Kuvempu University, India. She has published many research papers in journals of National & International repute, review articles, and book chapters in Life Sciences. She has also presented many of her research investigations work and participation in symposia, seminers, and conferences at the National and International levels. In addition, she has been active in teaching and co-curricular activities as a member(s) of BOE in different Universities. The teaching fraternity and students appreciate her continued involvement in supporting neady students in many ways. For vast experience and eminence in scientific areas allowed holding several academic responsibilities, including curricular, or surricular, and extra-curricular activities such as grant-writing, curricular development, research propasals correction for external funding for others. Apart from her academic activities, she has creative thinking to further higher education involving NEP in innovative areas like Nanobiotechnology in a collaborative way.



Sumit Kumar is a Senter Director (Capital Market) at CERES Group Inc. based in Boston, MA, USA. He has over tayears of experience in Capital Market, Derivatives Pricing & Risk Management, ESG integration using Equity and fixed Income, ESG Labeling, ESG derivatives, Sustainable Cryptocurrencies, and Sustainable Non-Fungible Tokens, Sumit is also a Derivatives / Risk Quant and Finisch professional who has worked with both the sett and buy sides of the financial merket. Sumit has worked with Banke like Deutsche Bank Lehman Brothers, and Nomura Securities in contrast, on the buy side, he has worked with hadge funds like Apollo Capital and institutional Asset management firms like Weltington Management and State Street. Sumit is also a passionate academician He is an 'Adjustit Professor' of Financial Engineering at reputed Business Schools.

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Hero-Stones of Krishnagiri District in Indian state of Tamilnadu

¹Prof.P.Basith Assarani.

M.A., M.Phil., P.G.D.B.M., D.C.M., D.I.A&T.M P.G & Research Department of History, Islamiah College, Vanivambadi-635752. Vellore (D.T), TamilNadu, India Email: basi.reborn@gmail.com

²Dr.K.Murugan,

M.A., B.Ed., M.Phil., PhD., P.G & Research Department of History. Islamiah College, Vanivambadi-635752. Vellore (D.T), TamilNadu, India

Krishnagiri district is located in the Indian state of Tamil Nadu. The history of this region starts with the presence of habitats of mankind during Palaeolithic, Neolithic and Mesolithic Ages, Various rock paintings and rock carvings of Indus Valley civilization and Iron Age were found in this district. The excavations carried out in the places like Mallappadi, Guttur, Gollapalli and Thogarapalli in Krishnagiri district revealed more artefacts belonging to Old Stone Age. Late Stone Age sites were also discovered at Pudur, Gollapalli, Togarapalli, Mullaikadai, Bannaimadulu and Dailamalai Bruce Foote and P.Bosworth discovered crude clumsy implements from trap dykes at Bargur in Krishnagiri district considered to be one of the oldest settlements of the Neolithic Man2. The 2000 year old megalithic burial site in Mallachandiram near Krishnagiri has over 200 dolmens is considered to be the largest in the state of Tamilnadu3. Krishnagiri region was ruled by the famous dynasties like Kongu, Chera, Cholas, Pallavas, Gangas, Nulambas, Hoysalas, Vijaya Nagar, Bijapur , Wodeyars of Mysore and Nayaks of Madurai. In ancient period it was called as Eyil Nadu', 'Murasu Nadu', 'NigariliCholaMandlam', 'VidhugadhazhagiNallur', and 'Nulambadi'. It was separated from Dharmapuri district on 9th February, 2004 and surrounded by Vellore and Thiruvannamalai district in the East and Karnataka State in the West, State of Andhra Pradesh in the North and Dharmapuri district in the South. The district total area is about 5143sq,kilometres. Now it consists of seven taluks namely Krishnagiri. Hosur, Pochampalli, Uthangarai, Shoolagiri, Bargur and Denkanikottai. Through this paper an attempt to carve out the immense importance of the availability of epigraphical source of hero-stones to construct and reconstruct the glorious past of the Krishnagiri district.

The erection of hero-stones in the honour of a brave man or woman, who died in a brave or heroic action, is common phenomenon in all civilizations. These memorials took different forms in different countries and in different ages. In Tamil Nadu, the act of erecting memorials gets its stable foot in the megalithic culture. The Sangam bards speak about the rituals for erecting hero-stones. Hero-stones were considered as a primary source to study a different aspects of common peoples life and culture. their mode of warfare, dress, ornaments, hair style, weapons, animals and to a certain extent their habits, customs, beliefs, languages etc. It was usually divided into three panels, but some of them occasionally into four or five panels depending on the event. The upper panel depicts the subject worshiping a deity, the middle panel depicts the hero, and the lower panels describe the battle scenes. They often carry

inscriptions displaying the variety of adornments, including bas relief panels, decoration, and figures on carved stone. The carved inscription of hero-stones speaks about the heroic actions of the warriors, the battle, the name of king and those who involved in those heroic actions. Hero-stones were erected usually for honouringthe warriors and individuals who lost or sacrifice their lives for the sake of a king, country, society etc., They are usually in the form of a stone monument and called as planted stones or

'natukal' in Tamil and 'Veerakallu' in Kannada.

From time immemorial the Tamil peoples followed the tradition of erecting hero stones for those who sacrifice their lives for the sake of their kings in TamilNadu.Krishnagiri district has fertile in herostones and they recorded the heroic actions of the individuals in the battlefield, pig hunting, snake killing etc., Multi-lingual people lived in this regionwith harmony and their hero stones bear inscriptions in Tamil, Telugu and Kannada. A hero-stone of Ayyappadeva from Reddiyur in Uthangarai taluk of Krishnagiri district recordedthat one Aryakutti, servant of Idusappaiyar of Venadu lost his life in pig hunting. The hero-stones found in Kundani region, which is located 22kms away from Krishnagiri, are unique type called Navakanda sculptures. Navakandam means Nine Cuts. A heroic soldier ritually cuts himself in nine places and dies in front of their deities for the welfare and success of the king and kingdom in a war. This was a great patriotic act. The people who have sacrificed their lives for sake of the country are honoured by the Tamils. Jeyamkondar refers 'Nava Kandam' in his renowned work 'Kalingathu Parani'. The Sangam bard Tolkappiam speaks about 'Avipali'or self-sacrifice by warriors and Manimekalai also speaks about these human sacrifices. Maravars of TamilNadu and Nayars of Kerala were practiced this as a ritual."Vairavi", a community in Madurai are always ready to sacrifice their lives for any noble cause in those centuries. Hero-stones should also consideras primary source to construct or reconstruct in the process of making ones regional native history.

Nolambas had their hegemony over Krishnagiri district from 9th century was characterised by the erection of many hero-stones in this region, witnessed they are the pioneers for honoured the brave actions. From time immemorial, whether it is to express one's supreme love for gods, kings and lords people have sacrificed their lives. Self-sacrifice is the noblest of all sacrifices, but most martyrs killed themselves for a social cause they espoused or for the welfare of their benefactors. Likewise, Krishnagiri district also observed with the land of martyrs due to the availability of numerous hero-stones.

Mahendra Nolamba was succeeded by his son Ayyappadeva. A hero-stone erected during his period speaks about the battle between Gangas and Nolambas⁵. Ayyappadeva was succeeded by his son Anniga also known as Bira Nolamba. A hero-stone found in the Muthanur Village of Krishnagiri district speaks about his ascendancy to the throne in the year 923 A.D⁶.Nolambas had become subordinates of Rashtrakutas during his region. An incident of cattle raid is mentioned on a hero-stone of the fifteenth year of Bira Nolamba from Periabompatti in the Uthangarai taluk of Krishnagiri district⁷. According to the inscription on the hero-stone Sekathur Manikkadayanar lost his life in an attempt to recapture the cattle which was raided by the enemies. Another hero-stone of the same year of Bira Nolamba at the same place speaks about the death of a hero with his servants when he recaptured the cattle which were raided by Mamandayan, the ruler of Sevathur.

Hero-stones were erected not only to the heroes who lost their lives in the battle fields of cattle raids and also for those who lost their lives in some adventurous actions. For instance, a hero-stone of Ayyappadeva's regime from Reddiyur in Uthangarai taluk of Krishnagiri district speaks about one Arayakutti, servant of Idusappaiyar of Venadu lost his life in pig hunting also recorded in the annals of Krishnagiri district.

Kundani'is located in Hosur taluk of Krishnagiri district. It was the capital of Vira Ramanatha, the Hoysala king during the 13th century. A unique type of hero-stones found in this called Navakanda sculptures. Some of them are preserved in the Government Museum, Dharmapuri. From one of the herostones of Navakanda type is known as that one hero cut the head of another soldier and fled away on a horse. This sculpture is said to be the period of the king Chikpamithalwan, son of Mallapurvathirajan. In a sculpture at Kundani, it is depicted that a soldier cut the head of a soldier and gave it to another soldier who kept it in a basket and fled away on a horse. This horrible scene depicted in the sculpture reveal the historic fact that Saktham, a unique kind of worship of beheading human beings to please God was prevalent in Kundani region during the 12th and 13th centuries and from another incriptions, it was established that similar practice existed at Panneswarar Madam.

Krishnagiri district is situated at the frontier provinces of Tamil Nadu, Karnataka and Andhra Pradesh was ruled by various rulers belong to various dynasties from time immemorial. The climate of this district in generally was salubrious. The areas like Denkanikotta, Hosur, Thally, Krishnagiri etc., were very cool and pleasant. It comprising of forests with pasture lands called as Mullai. Tamil sangam works says that Mullai provinces were inhabited by the Ayar whose occupation was cattle-breeding. So no doubt, the lives of the peoples in these areas centred with the cattle. Cattle-breeding was the main occupation of the peoples of Krishnagiri district due to its pasture (Mullai) wealth in nature. So the cattle raids were happened frequently in this region in those periods. Continuous conflicts were inevitable due to these cattle raidsand made the peoples of these region very brave warriors and great patriots. Plenty of Hero Stones available in this region speaks about the selflessness courageous of the peoples in the Krishnagiri district. The sati stones and the hero stones of individuals illuminated the virtues and valour of the Krishnagiri peoples as the Tamil literatures praise. To illuminate the past glorious of this region, an in-depth research study is need of this hour.

References:

- 1. Santhanalingam, S., Varalatril Thagadur (Tamil), Kaveripattinam: Pudu Ezhuthu, 2006, p. 17
- Narasimmaiya, B., Neolithic and Megalithic Cultures in Tamil Nadu, New Delhi, 1980, p.21
- Santhanalingam, S., Varalatril Thagadur (Tamil), op.cit.,p.18
- 4. Epigraphica Carnatica, Vol.XII, S.I.28
- Epigraphica Carnatica, Vol. X.p. 70, A.R.E. No. 305 of 1901
- T.N.S.D.A.No.75/1974
- T.N.S.D.A.No.14/1972
- Santhanalingam, S., Varalatril Thagadur (Tamil), Kaveripattinam: Pudu Ezhuthu, 2006, p.93
- Dharmapuri Inscriptions, Vol.I.No.67
- 10. Dharmapuri Inscriptions, Vol.II.No.97

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The brahmadeya settlement in the Vadaparisara nadu reduced the mechanism of violence in the north kongu region. It served as the agents of detribalization by reducing the tribes into caste. The brahmadeya, devadana and chathurvedimangalam settlements spread out the brahmanical culture .The Brahmans organised chitrameli periyanadu assembly and united the shepherd community on the festival occasion. The brahmans occupied the fertile lands and holding the manrattu rights. They collected the taxes from the tillers from the temple villages. The new gothras among the brahmans appeared in the inscriptions denotes that the brahamans inroads in vadaprisara nadu developed a new culture in the north kongu region. They employed various position in the temple complex and developed the temple treasury and attained a superior position in the temple and society. The pastoral people of the kongu region in the early period were leading a tribal life with clan division mingled with immigrants and emerged as vellalar on the north kongu region and adopted the valley culture. The mercantile guilds indulged in trading activities in the vadaparisaranadu. Subsequently many mercantile settlements emerged in the north kongu region. The kaikolas settled in vadaparisara nadu. They developed in spinning and weaving and dying in the north kongu region which paved the way for the inroads of weavers from the north kongu region during the vijayanagar period. The entrepreneurs like potters, artisans and devaradiyar were settled in the villages in vadparisaranadu. The temple become the landowner and temple property was increased due course and become big land owner. Temple garden was developed in every temples. The agricultura I development in the vadaparisara nadu paved the way for emergence of many mercantile centres in the Noyyal river basin.

Notes and References

- Manickam, V., Kongunadu (A History upto A.D 1400 A.D) Makkalveliyeedu, Chennal, 2001 p.76
- Baliga B S. Madras District Gazetteers. Coimbatore Government of Madras. 1966, p.23.
- Arokiaswami, M., The country, Chennai, 1956, PP.30-34, 70-7
- Manickam, V., Op.cit pp 45-65
- ARE No 208,209 of 1920
 Sridhar, Thi, Sri., Colmbatore Mavatta kalvettugal Vol 1
 T.N.State Department of Archaelogy Publication,
- Chennai, 2006 7 ibid. No.819.824/2003
- 8. Ibid No. 806.808.810,831/2003
- 9. ibid_No.819,824,777/2003
- 10. ibid
- 11. ibid
- 12. ibid,No.873,878/2003
- 13. Ibid /No 893/2003
- 14. ibid.No 828/2003
- 15. ibid.No 836/2003

- 16 Ibid.No.775/2003
- 17. *ibid*
- 18. Ibid,No .885/2003
- 19. Ibid,No 888/2003
- 20. ibid_No.853,801/2003
- 21. ibid
- 22 Ibid No 779/2003
- 23. Ibid,No 872/2003
- 24. Ibid.No.793/2003
- 25. Ibid_No 849/2003
- 26. Ibid.No 851/2003
- 27. Ibid.No.853/2003 28. Ibid.No.861/2003
- 29. Ibid,No.860/2003
- 30. ibid.No 783/2003
- 31. ibid,No. 846,851,861,783,792,796/2003,
- ibid.No.Karuvalurpursakulam.sevurkilavarkulam.Sevur sangaivankulam. Avinashi pukkoliyur kulam. Ba/arasamuthiramkulam.

REVENUE SYSTEM DURING THE PERIOD OF QUTB SHAHIS OF GOLCONDA

Mohammad Osman Pasha

Agriculture is the most important and the oldest occupation of this country. It provided basic needs like food, clothing and shelter, and

employment to the people. Through the ages land revenue formed one of the basic sources of income to the government. Land revenue was

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ANNAMALAI NAGAR 2020

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23. Ganapati Timma Bhatta Belguli was not a tax payer. But it he was active member of the Congress. He also refused to pay the land revenue of Rs. 340. So his land was sold in auction for Rs. 188 which was worth of Rs. 8300/-. He burnt the crop of his field with the consent of the tenants. Both Ganapati Bhatta and his brother Ramachandra Bhatta were sentenced to six months rigorous imprisonment each. One lady and a child were left behind at home.

References

- N. Akki Basavaraj Karnatakada Itihasa Mattu Samskruthi, Somesvara Publications, Dharwad, 2010
- M. Campbell James, Gazetteer of the Bombay Presidency Vol XV-Part 1-Kanara, Chief Editor, Dept. of Gazetteer (GOK) Bangalore, 2003
- A.J. Dodmete, No Tax Campiagn in Uttara Kannada district – A Brief Survey, Hubli, K.P.C.C.,1931.
- RR. Diwakar, Karanirakaraneya Vweerakathe : Ankola, Siddapur. Sirsi, Hirekerurgalahalli karanirakaraneya Andholahada Sakshipta Varnane, Lok Shikshana Trust Granlahmale, Bangalore, 2001
- U. Kamat Suryanatah, Uttara Kannada District Gazetter Bangalore, Chief Editor, Dept. of Gazetteer (GOK), 1985

A BIOGRAPHICAL HISTORY OF A FREEDOM FIGHTER - V. M. OBAIDULLAH

P. Basith Assarani & M. Muthu Santhana Kumar

V.M. Obaidullah, a dynamic personality among the Muslim Freedom Fighters of Tamil Nadu. As a secular Nationalist, he participated in almost all the movements in freedom struggle from 1919 to till the achievement of Independence in 1947. His services to the nation are inalienable in the history of the Indian National Movement From his childhood onwards, he was inspired by the ideas of freedom from the various national leaders and freedom fighters of our nation. He participated almost all freedom movement in Tamil Nadu with Kamaraj. He followed Gandhi's ideology of non-violence during his participation in the Indian National movement. When he was young, he interacted with the freedom fighters of Vellore, who frequently visited his father's betel-nut shop freeing India from the British yoke. He was one among the prominent leaders of Tamil Nadu along with Kamaraj, who influenced the public masses during Indian National Movement. A leading personality among the Muslim freedom fighters in the North Arcot District, V.M. Obaidullah of Vellore sacrificed everything for the cause of Indian Nationalism1. The purpose of this paper is to highlight the selfless services of V.M. Obaidullah to Indian independence.

V.M. Obaidullah was born at Vellore on 2nd May 1905. His father Madhar Batcha Sahib migrated from Vaniyambadi. At a very young age, he was inspired by the great Indian National

Leaders like Mahatma Gandhi, Moulana Mohammed Ali, Soukath Ali, Abul Kalam Azath, Dr. Ansari, Nehru etc., who fought against the British rule in India. At the age of 15, in the year 1920 onwards he was involved with Kodai Idi Kuppusamy (thunderstorm of summer) in organising meetings, processions, rally etc., and both of them were called by the general public as "Twins of Vellore". The statistical and explanatory notes about the British atrocities on Indians, attracted the mases of the North Arcot district to march against the British rule in this region. His satire and sportive speech in the public meetings made the audience keep thinking about their servitude under British rule, which hooked and pulled the peoples of this region to participate in our freedom struggle. Santimay Ray states that in his book entitled "Freedom Movement and Indian Muslims", Peoples Publishing House (P) Ltd, New Delhi, 1979, p.p 53-54, as "V.M.Obaidullah of Vellore was another great fighter who suffered years of imprisonment during national struggle since 1930"

The Swadeshi movement started as an economic strategy aimed at removing the British Empire from power and improving economic conditions of Indians. Strong protests and slogans against British were raised everywhere supporting this movement Protest meetings were organised by V.M. Obaidullah of Vellore



U. RIZWAN SYED TAHIR HUSSAINY

REPLACEMENT MODELS IN RELIABILITY



book Replacement Models in Reliability is mainly intended for researchers in Applied Statistics and also for those interested in Stochastic Replacement Models. The aim of this book is to present Reliabilistic Replacement Models in a simple but precise context. This book presents the state-of-the-art in replacement models in reliability. Topics in replacement models include burn-in, warranty and maintenance. Special focus is given, where the repair times are non-negligible. Two dimensional version of the geometric process and the quasi renewal process have been developed and their properties are presented in a systematic manner. Explicit expressions for the long run average cost are derived. Cost structures are determined for multistate degenerative systems. Replacement models with varying cost structures are also presented. This book provides comprehensive insights into replacement models. Numerical illustrations are included to strengthen the theoretical results. The book is helpful for researchers in manufacturing engineering, industrial engineering and engineering management programs, as well as for researchers and engineers in the quality and reliability engineering.

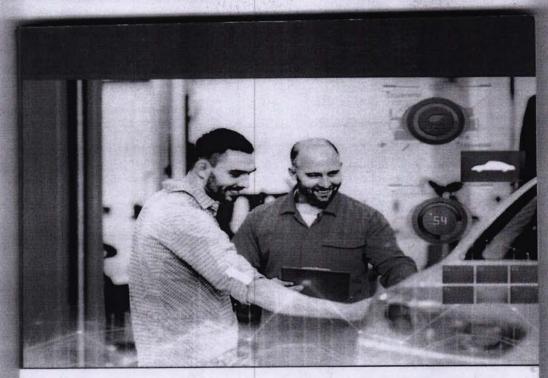
U. Rizwan earned his Ph.D.degree from University of Madras in 2001. He has published 18 books. He has guided 8 Ph.D. scholars and 65 M.Phil. scholars.

Syed Tahir Hussainy earned his Ph.D. degree from Thiruvalluvar University.

Both the authors are serving in the Department of Mathematics, Islamiah College (Autonomous), Vaniyambadi, India.



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Syed Tahir Hussainy U. Rizwan

Multivariate Stochastic Maintenance Models



This book, Multivariate Stochastic Maintenance Models deals with developing explicit expressions for the cost structures of several deteriorating systems. Deteriorating systems subject to different types of shocks are considered. Systems with general repair are considered and replacement policies have been presented. Comparison of the policies have also been made. This book is intended for researchers in manufacturing engineering, industrial engineering and engineering management programs.

Syed Tahir Hussainy earned his Ph.D. degree from Thiruvalluvar University.

U. Rizwan earned his Ph.D, degree from University of Madras in 2002. He has published 19 books and guided 10 Ph.D. and 68 M.Phil. scholars. He is also an academic auditor.

Both the authors are serving in the department of Mathematics, Islamiah College, Vaniyambadi, India.



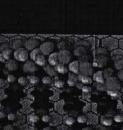
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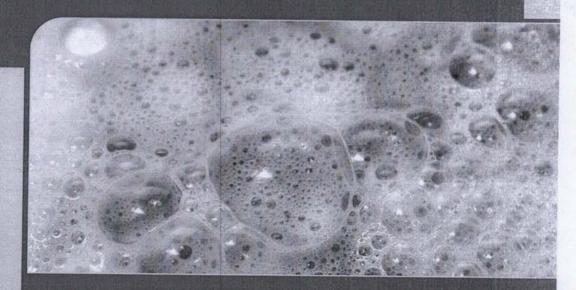
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GREEN SUSTAINABLE PROCESS FOR CHEMICAL AND ENVIRONMENTAL ENGINEERING AND SCIENCE

Biomedical Application of Biosurfactant In Medical Sector



Edited by Inamuddin Charles Oluwaseun Adetunji Mohd Imran Ahamed



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Recent advances in biosurfactant as 32 antiadhesion/antibiofilm agents

S. Nalini¹, D. Manikandan², S. Sathiyamurthi³, T. Stalin Dhas¹, S.U. Mohammed Riyaz⁴, B. Saravanakumar⁵ and S. Paryeen²

¹Centre for Ocean Research (DST-FIST Sponsored Center), MoES—Earth Science & Technology Cell (Marine Biotechnological Studies), Col. Dr. Jeppiaar Research Park, Sathyabama Institute of Science and Technology, Chennai, India ²Department of Chemistry, Dr. Mahalingam College of Engineering and Technology, Coimbatore, India ³Department of Soil Science and Agricultural Chemistry, Faculty of Agriculture, Annamalai University, Chidamabram, India ⁴Department of Biotechnology, Isiamiah College, Vaniyambadi, India ⁵Department of Physics, Dr. Mahalingam College of Engineering and Technology, Coimbatore, India

32.1 Introduction

Biofilms (BFs) are the colonization of microorganisms on the solid surface of substratum or may form complex aggregates without adhering to the surface [1]. They are mostly formed on the biotic or abiotic surface as single or complex communities of microorganisms. The development of BF formation on medical instruments, insertional implants plays a vital part in the problems of many nosocomial and health-related diseases.

The pathogenic BF, a cluster of bacterial cells secured by a self-developed polymer matrix (PM) is considered as a global threat, making them highly resistant to antibiotics and the host immune system [2]. There is an urgent requirement for a novel antibiofilm (ABF)/antiadhesive (AAD) agent to prevent or control pathogenic BF-forming microorganisms. The latest therapeutic techniques are developed against BF and growing attention is currently paid to biosurfactants (BSs). Most of the BSs are well known to display antimicrobial, AAD, and ABF properties [3].

BSs are surface-active agents that are produced by various microorganisms and capable of reducing the surface and interfacial tension between different fluid phases. They are well known for many years and have potential applications in a wide array of sectors including food, medical, agriculture, cosmetic, pharmaceutical, and petroleum industries [4]. BS has several advantages over chemical surfactants due to their low toxicity, higher biodegradability, highly stable at extreme temperature, pH, and eco-friendly nature [5]. Several areas of research have shown that under certain test conditions, BS could be very efficient than many standard BF prevention and/ or disruption techniques [6]. The sophorolipid-based amphotericin was assumed to interfere with gene expression, downregulating hyphae-specific genes. The importance of BS in the field of biomedical has been identified due to its antibacterial, antifungal, antiviral, inhibition of BF formation, and their AAD properties against various pathogenic microorganisms. The present book chapter discusses the potential application of BS as AAD and ABF agents.

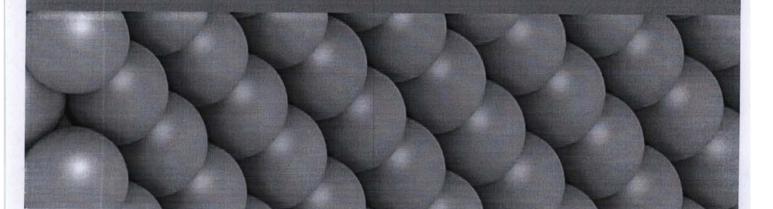


Silver Micro-Nanoparticles Properties, Synthesis, Characterization,

and Applications

Edited by Samir Kumar, Prabhat Kumar and Chandra Shakher Pathak





Chapter

Biomedical Applications of Silver Nanoparticles

Manikandan Dhayalan, Priadharsini Karikalan, Mohammed Riyaz Savaas Umar and Nalini Srinivasan

Abstract

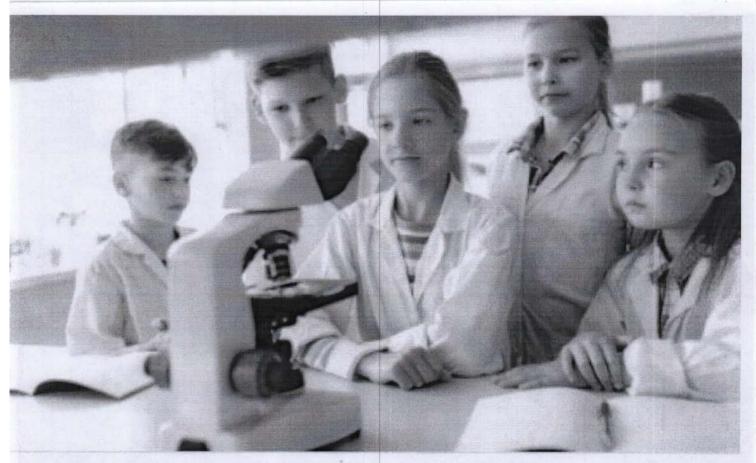
Nanotechnology is a branch of science and engineering dedicated to materials, having dimensions in the order of nanometer scale and it has been widely used for the development of more efficient technology. Nanoparticles offer many benefits to bulk particles such as increased surface-to-volume ratio, and increased magnetic properties. In recent years, nanotechnology has been embraced by industrial sectors due to its applications in the field of electronic storage systems, biotechnology, magnetic separation and pre concentration of target analytes, targeted drug delivery, and vehicles for gene and drug delivery. Over the year's nanomaterials such as nanoparticles, nanoclusters, nanoreods, nanoshells, and nanocages have been continuously used and modified to enable their use as a diagnostic and therapeutic agent in biomedical applications. Thus, In this chapter, introduction to metal nanoparticles, synthesis (Chemical and green synthesis) and biomedical application silver nanoparticles are presented.

Keywords: Green Synthesis, Metal Nanoparticles, Silver nanoparticles, Biomedical Applications

1. Introduction

The trend of miniaturization combined with technological modernization requirements has led to the substantial rise in exploring nanoparticles. The discoveries of new antibiotics, conventional drugs and chemically modified drugs can not only resolve the microbial resistant issues but also necessitates a prolonged effective metallic nanotechnology in diverse applications. Nanomaterials such as nanoparticles, nanoclusters, nanorods, nanoshells, and nanocages are modified constantly to enable their use as a diagnostic and therapeutic agents applications. Theefficacy of the nanoparticle can be determined by its size, structure, concentration, dimensions and ionic strength accompanied with surface coating can support additional strength and durability as a carrier for a wide range of therapeutic components in several biomedical applications. Nanoparticles offer various benefits to bulk particles with increased surface-to-volume ratio, magnetictarget [1, 2], wound healing properties [3], biocomposite preparation, gene and drug delivery vehicles [1, 2, 4].

Nanoparticles synthesis and characterization have flourished due to their wideranging applicability particularly as catalysts in biomedical, optics, and energy fields [5]. Among the classified nanoparticles, metalnanoparticles have fascinated, due to their distinctive physical and chemical properties, selectivity, highly active, and reproducibility. Among different metal nanoparticles, silver nanoparticles (AgNPs) have attracted considerable researcher's attention because of its high electrical



21-22-20

M.L. Mohammed Kaleem Arshan

Cell Biology

Laboratory Manual



Dr T. Afsar Basha, Dean, Associate professor and Research Supervisor, PG and Research Ddepartment of Commerce, Islamiah College (Autonomous), Vaniyambadi. He is a senior faculty member holding more than Thirty years of teaching experience. As a prolific author, he has published more than Sixty research articles to various reputed National and International level Journals. He has coordinated several conferences and seminars. He has authored three books

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International level Journals. He has coordinated several conferences and seminars. He has authored three books currently, he is the chairman of the PG (Commerce) Board of dies in Thruvalluvar University, Vellore. Four candidates have been arch scholars for Ph.D., As a Psychologist, he understands other's stions and acts upon it. He is a man of Emotional and Social Intelligence. He good example for Democratic Leadership.

Dr. A. Arockia Mary, has successfully completed her TNSET, in 2016 and Ph.D., Degree in 2017. She has eleven years of teaching experience in Higher Education. Currently. She is working as an Assistant Professor in Sacred Heart College (Autonomous), Tirupattur. She is very much interested in teaching Commerce and Accounts related subjects. As a part of the research work, she has been published Thirteen research articles in UGC care listed and referred Journals and

International Journals and Four National level journals. She has tributed three chapters in the book "Entrepreneurship in Global Economy" Charulatha Publications and a book written under the title "Business ronment" by J P S Publication. She has successfully completed Two Minor Barch Projects under Sacred Heart Fellowship and One Minor Research ect under Don Bosco Fellowship funded by Sacred Heart College conomous), Tirupattur,

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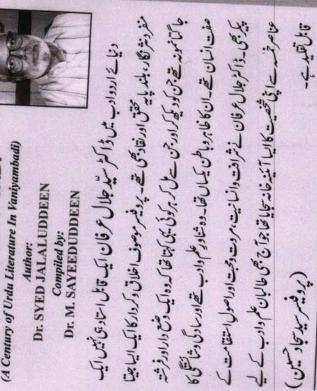
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URDU ADAB KI EK SADI VANIYAMBADI MEIN

(A Century of Urdu Literature In Vaniyambadi) Dr. SYED JALALUDDEEN Compiled by: Dr. M. SAYEEDUDDEEN

اردواد جاايا صدك

らからかい



يى جېل ئاتة ري، ژرف بني اوراعتدال وتؤازن كا احساس بهوتا ہے وبال وه اپنے انداز نظامت ہے۔ کمعین کے دلوں کولوٹے کا ہمزجی جانتے ہیں اور یہ بلاشبہان کے انہاک، نوروكل وسقامطالعه اورعنت كاشمره ب-أذاكز سعيدالدين كويش اس ليجنجي عزيز ركتا بمول كدوه اپنج بم اتقريوں ، بھے بے دياده ساڑي كيا ہے۔ ان كى نگارشات عمروں میں ایک علا حدہ پہجاں رکتے ہیں۔ بیر سے اب تک ک ائتكلووں شاكردوں ميں ڈاكٹر سعيدالدين نے اچنگر پيوںاور (پروفیمرسید سجادین)







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Solid State Physics

Proceedings of the DAE Solid State Physics Symposium

Volume 55 (2021)



Editors Arup Biswas, Ajay K. Mishra and D. V. Udupa

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Role of precursor parameter on structural and optical studies of sol-gel grown GaN

P. Muzammil¹, S. Munawar Basha², and G. Shakil muhammad³

^{1,3}Department of Physics, Islamiah College (Autonomous), Vaniyambadi, Tamil Nadu, India. 635752. ²Department of Physics C. Abdul Hakeem College (Autonomous), Melvisharam, Tamil Nadu, India

*Corresponding author: muzammil.p@hotmail.com

Abstract

GaN has been grown by varying precursor concentrations using the sol-gel technique. The influence of varying concentrations on structural, morphological, and optical characteristics was studied. X-ray diffraction and Transmission Electron Microscopy shows the wurtzite structure and highly crystalline nature of the GaN nanostructure. SEM image shows the hexagonal structure for lower concentrations and nanorod for 1M concentration. The photoluminescence study shows the optical band gap of 3.3 eV to

Introduction

Gallium nitride (GaN) semiconductors have acquired much attention in academic and found commercial interest due to their exceptional physical properties at room temperature such as direct bandgap of 3.39 eV, strong bond strength, high thermal and chemically stability, high electron drift velocity makes it a promising material for power applications[1]. High optical transition probability makes the material ideal for optoelectronic devices operating in the ultraviolet region[2]. GaN nanostructures such as nanorods, nanofibers are an intrinsically attractive material for nanoscale electronic and optoelectronic devices as they possess a large surface to volume ratio. Various techniques have been employed for the synthesis of one dimension GaN nanostructure such as nanorod and nanobelt. Lei Zhang et al., grown free standing, large area single crystalline GaN membranes by a single step high temperature method and fabricated the GaNPM based supercapacitor which shows excellent electrochemical performances [3]. Tae-Hee Kim et al., synthesized GaN in powder form using a thermal plasma process. Additionally, melamine was used to avoid the oxidation of the source material. It was observed that the joint process of thermal plasma and annealing treatment enhanced the structure quality of grown GaN nanopowder with an average crystallite size of 30 nm[4]. In order to understand the effect of different precursor concentrations, we synthesize GaN for a different mole of precursor say 0.25M, 0.5M, and 1M using the sol-gel technique.

Experiment

Required amount of Gallium (III) nitrate hydrate (Ga (NO₃)₃. xH₂O) dissolved in deionized water and

PVP (Polyvinylpyrrolidone) solution was prepared separately. The gallium nitrate solution was added to generate a homogeneous and clear precursor solution after stirring constantly for 24 hrs. The obtained solution was calcined in the air for three hours at 500°C. The resulting product was placed in the quartz reactor for ammonization. The liquid ammonia was carried to the reaction zone using nitrogen gas, and the flow rate was kept constant for 6 hours while the temperature was maintained at 950°C. The system was gradually cooled to room temperature in the nitrogen atmosphere after the synthesis was completed [5]. The obtained powders were subjected to structural and optical characterizations.

Result and Discussion

X-ray diffraction

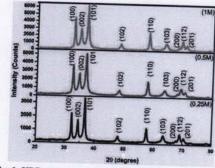


Fig. 1. XRD pattern for three different moles of precursor

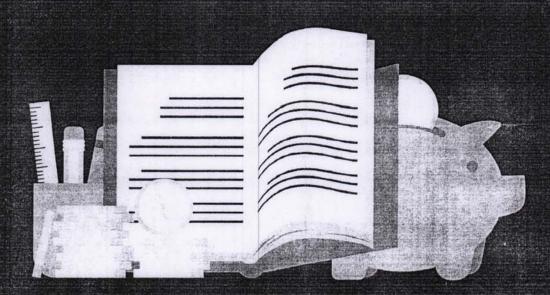
The X-ray diffraction peak reveals the hexagonal wurtzite structure of GaN, which agrees well with the JCPDS data. It is observed that the peak intensity increases when the precursor concentration varies

BBAS-12



தமிழ்நாடு திறந்தநிலைப் பல்கலைக்கழகம் எல்லோருக்கும் எப்போதும் கல்வி

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முதல் பதிப்பு

2022

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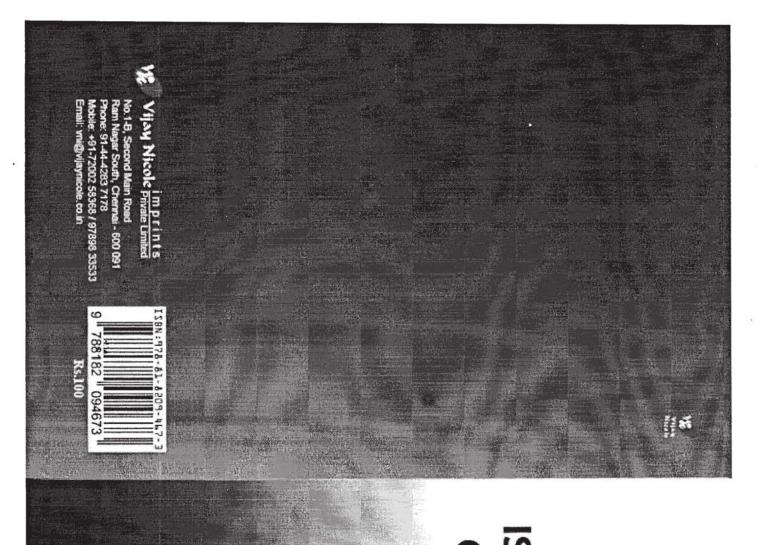
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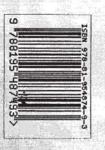
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Dr.N. Abdul Latheef is working as a Librarian of Islamiah College (Autonomous), Vaniyambadi, TamilNadu. He is successively crossing 25 years of service in the field of Library and Information Science. He completed B.Com., degree from Jamal Mohamed College, Tiruchirappalli and M.A (History), B.L.I.S & M.L.I.S from Annamalai University. He completed his research degrees M.Phil.,(Library Science) from Bharathidasan University and Ph.D.,in Library & Information Science from Bharathiyar University, Coimbatore. He also qualified the SET (State Eligibility Test) from Bharathiyar University. He organized many State/National Level Seminars / Workshops / Conferences. He also Published more than 30 research papers in National & International Journals. He authored two books viz.New Trends in Research Methodology and A Handbook on Islamiah College Central Library. He is Editorial board Member of the International Journal of Science & Humanities.



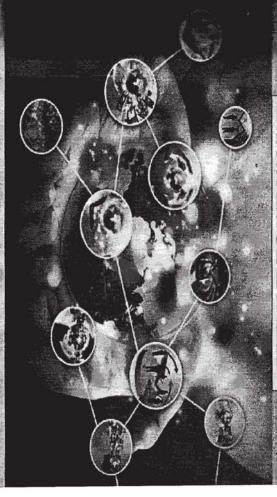
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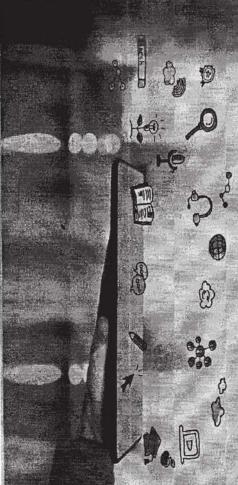
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Open Educational Resources:Role Of Swayam Mooc Courses

Dr.N.AbdulLatheef

Librarian Islamiah College (Autonomous) Vaniyambadi – 635752 abdul71073@gmail.com

Abstract

Open educational materials are becoming increasingly important as a result of advances in information and communication technology (ICT) and the COVID-19 pandemic. The Ministry of Education, Government of India, has taken a keen interest in the higher education sector. We have to equip ourselves in this rapidly growing educational era. The union government and the UGC have issued guidelines to all higher educational institutions on how to incorporate swayammooc courses into their curriculum. This paper highlights the SWAYAM platform, its features, course national coordinators, and benefits for different categories of learners, as well as the advantages and importance of MOOC courses.

Introduction:

The union government and the Ministry of Educationhave been highly concentrating on higher education sectorto develop the higher education through online mode at free of cost to the entire society. To achieve this aim, the ministry is offering a number of certificate and diploma courses through the Study Webs of Active Learning for Young Aspiring Minds (SWAYAM) Portal and the National Programme on Technology Enhanced Learning (NPTEL) for Engineering Students.ICT can be leveraged to complement the formal education system as well as the distance education system at all levels. The use of OERs holds great promise of improving the access and the overall quality of education for the developed as well as the developing countries. The educational professionals are creating and using digital content for teaching and learning. The Indian Government is playing a proactive role by providing impetus to the growth of OER movement in the country through various national policy initiatives. A large number of national policy making bodies such as National knowledge Commission, University Grants Commission and other advisory bodies are providing the support to the movement in the country for improving access to quality education.

20-21

स्वाक्षर प्रकाशन दिल्ली, कटिहार

प्रकाशित रचनाओं में व्यक्त विचारों से संपादकीय सहमति अनिवार्य नहीं।

श्वातंत्र्योत्तर हिन्दी शाहित्य में मानवता का श्वर

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पालम, नई दिल्ली-110045 (भारत)

दूरभाष - 08826123590, 9711950086

ई-मेल : vaadsamvaad@gmail.com

ज्ञाखा कार्यालय:

स्वाक्षर प्रकाशक एवं वितरक

न्यू ऑफिसर कॉलोनी बृद्धचक, वरमसिया

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SWATANTRYOTTAR HINDI SAHITYA MEIN MANAVTA KA SWAR

Ed. Dr. SHAIK ABDUL WAHAB



பன்னாட்டுக் கருத்தரங்கம்

"A Review on World Poets" (International Seminar)

படுப்பாசிரியர்கள்

Editors

தமிழ்ச் செய்கம் முனைவர் ப.சிவராஜி Beenders signi pirani A eraduica. gunnal Car. cleurracie Quiezi, phi entidiguez. Orimar. de general Ur.Coreninstein mi v.mus vycamen throws s.speciate grand granger Dr.G.Sujatha Bosses Brigita அத்திலைச்சுவு நடைப்புர்க

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11–12–2019 வேலூர் டி.கே.எம் கல்லூரியில் நடைபெற்ற பன்னாண்டு மாநாட்டில் திரு.லோ.சக்திவேல் இ.ஆ.ப. ஆய்வுக் கோவையை வெளியிட வேலூர் மாவட்ட வருவாய் அலுவலர் திரு.ஜெ.பார்த்தீபன் பெற்றுக்கொண்டார்.

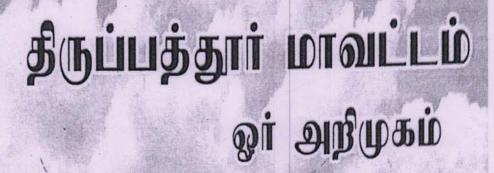


வாழ்த்துரை வழங்கும் பேரா.முனைவர் ச.சுசா சரவணன்.

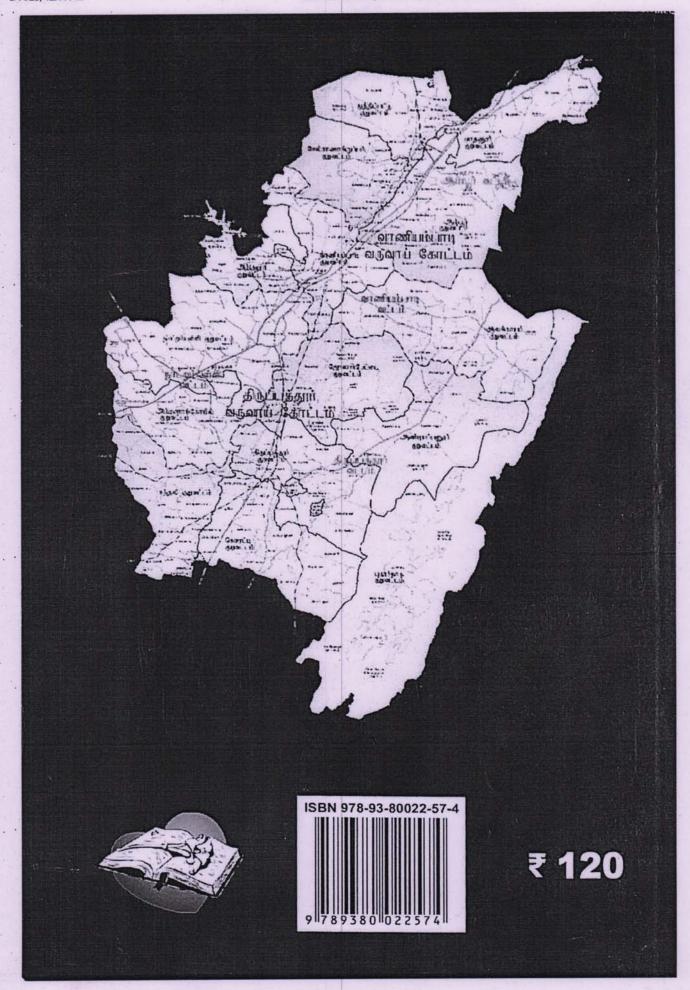


முனைவர் விஜயலட்சுமி அவர்சுளுக்கு நினைவு பரிசு



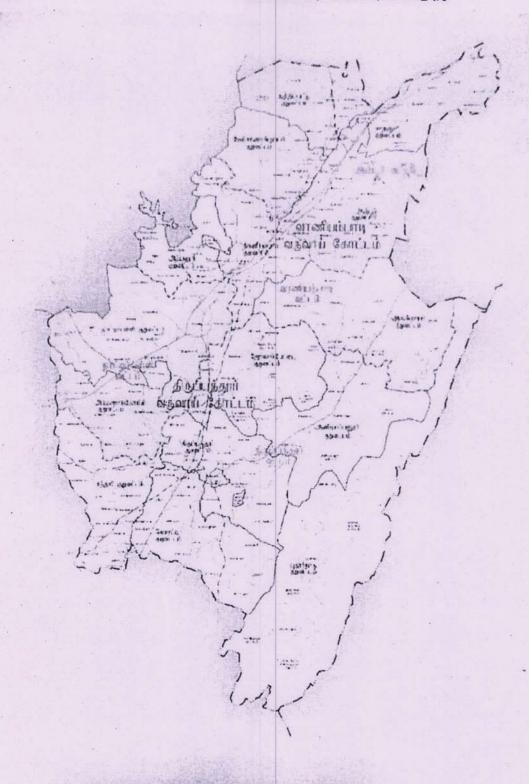


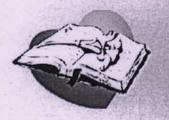
தமிற்ஃவென்மன் பூரா, முனைவர் பட சிவராஜி



திருப்பத்தூர் மாவட்டத் தமிழ்நிளுர்கள்

தமிழ்ச்செம்மல் <u></u>பேரா. முனைவர் ப. சிவராஜி







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முனைவர் மு.முஜிபுர்ரகுமான் கடலார் மாவட்டம், ளிருத்தாசலம் வட்டம். ingana 09.06.1977 இல் பிறந்களர். கிராமத்தில் பிஎச்.மு., ஆகிய பி.ஏ., எம்.ஏ., எம்.ஃபில்.. பட்டங்களை பெற்றவர். திருப்பத்தார் மாவட்டம். காயியாக்க கல்லூரி (தன்னாட்சி). வாணியம்பாடியில் 18.07.2005 முதல் தமிழ்ப் பேராசிரியராகப் LIGORI Little ഖന്ദർന്നന്. மொழியிலக்கணம், ஒப்பிலக்கியம், இஸ்லாமிய இலக்கியங்கள். புணைக்கை, புதுக்களிகை,

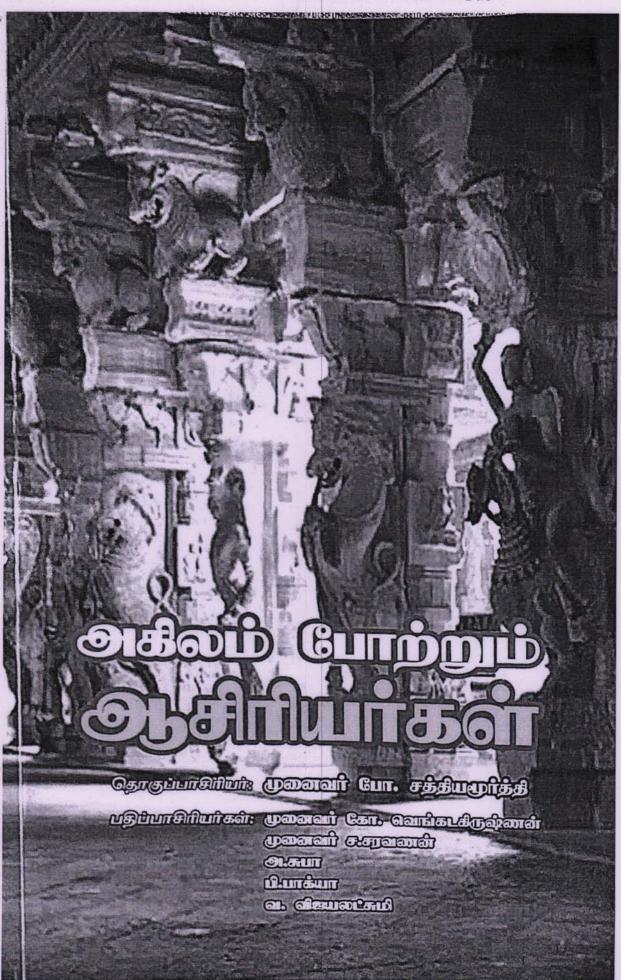
அரபி மொழியில் புலமை பெற்றவர். ஆய்வாளர் LIGOTIES வழித்துணையாய், ஆய்விற்கு அடித்தளமாய் அமைக்கு. பாராட்டுதல்கள் பல பெற்ற "கவிஞர் மு.மேத்தாவின் நாயகம் ஒரு காவியம் ஓர் ஆய்வு" ஆய்வியல் நிறைஞர் பட்ட ஆய்வு நூலையும், ஊனும் உயிருமாய், ஊடும் பாவுமாய் சங்க இலக்கியம், அற இலக்கியம். காப்பியம். பக்கி இலக்கியம். சிற்றிலக்கியம். பிணைந்துள்ளமையைப் பளிங்கு நடையில் விளங்கச் செய்யும் "காரை இறையடியானின் படைப்பும் பணியும்" **முனைவர் பட்ட** ஆய்வு நூலையும், தமிழின் உயிர் மெய் ஞானம்பாடியின் இறகுநிர்த்த சிறகுகளால் ஆன தூரிகைத் தொகுப்பும் இவரது முந்தைய நூல்களாகும். ஆய்வரங்கம் கண்ட ஆய்வாளர். உரையாங்கம் கண்ட சொல்லாளர். ஆய்வ மாணவர்கட்க இல் மலேசியாவில் நடைபெற்ற உலகத் நெறியாளர், 2019 திருக்குறள் மாநாட்டில் பங்கேற்று ஆய்வுக்கட்டுரை வழங்கியவர். என்றும் பிறழாத ஒழுக்க நெறியாளர். தளும்பி வழியாத நிறைகடப் பண்பாளர் ஆவார்.

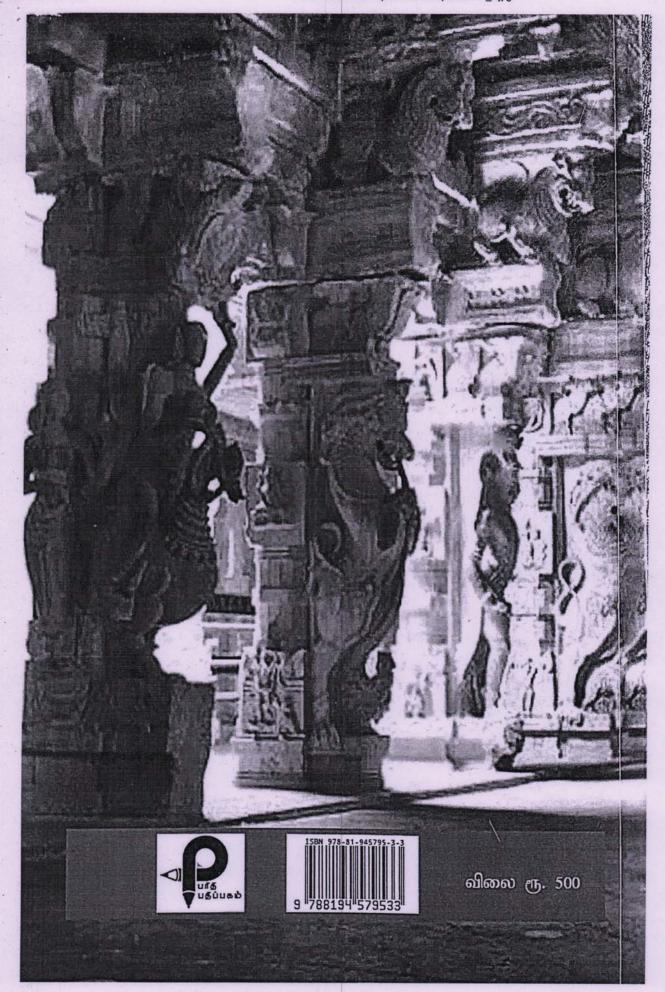
> முனைவர் மு.ஹம்சா மேனாள் தமிழ்த்துறைத் தலைவர், மாநிலக் கல்லூரி, சென்னை.

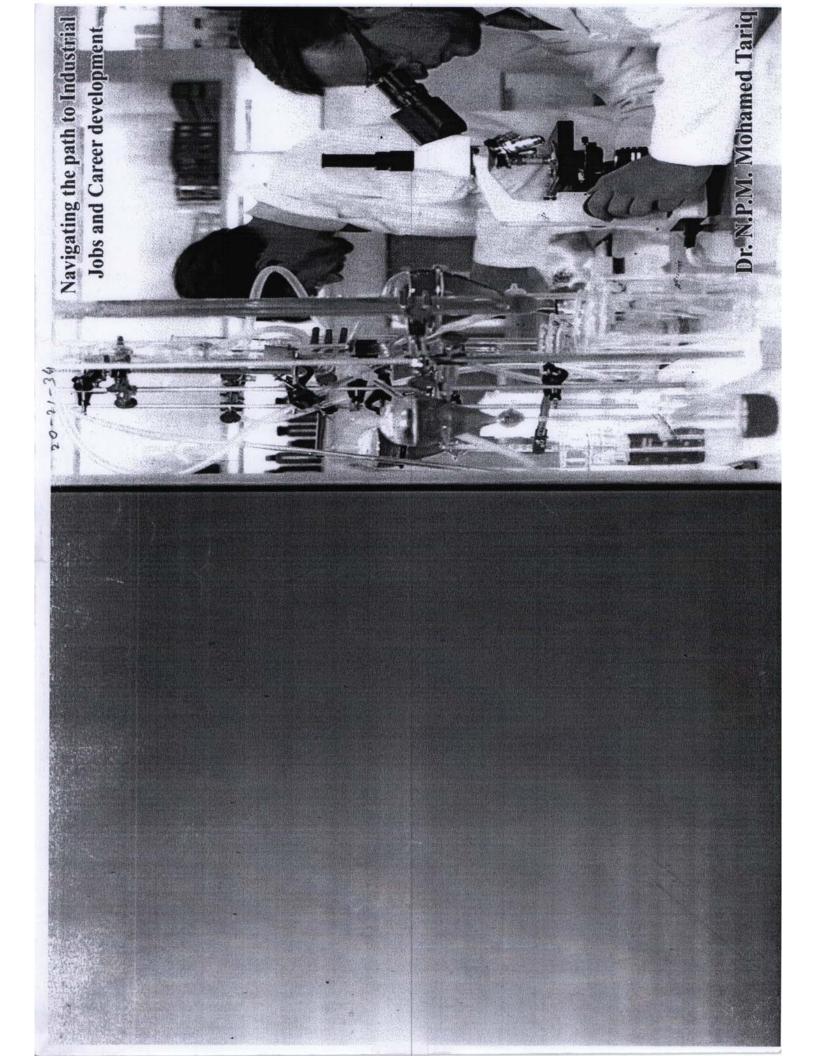




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Future prospects in Life Science -Navigating the path to Industrial Jobs and Career development

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Foreword



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computational biology. Entomology, pharmacy, biomformatics, and bioprocess technology, extending to depends on the knowledge acquired starting from bachelor's to master's to doctoral degree and even Life science is an exciting field involving study of all types of living things. Students, researchers and scientists working on various branches of life sciences always interested in learning more about the linest incroscopic organisms to plants, animals, human beings, and their interactions with the ideas to keep the momentum. From the traditional vertical from Botany, Zoology to the advancement in branches like Genelics, Physiology, Microbiology. Forestry, Food sciences, Blochemistry, Biophysics, lisharies, ecology, immunology, pharmacology, virology, making it the ultimate multi-foot of lite science education, markeling, routine laboratory technician extending into very many areas but the growth lood, medicine for decades and that development always creates demands for manpower with Innovalive Veterinary Sciences, Biolachnology, Molecular biology, Nanotechnology, and Intellectual Property Rights, Life Science has traversed into areas like clinical research and biomedical sciences. careers. Those choosing Me sciences, utlimately take the path they identify one of these fields as their career of choice. However, the career in life science vary widely involving incremental research, environment. Life sciences is one of the areas witnessing many scientific breakthroughs in agriculture hrough Post-doctoral experience.

informed decisions always encourages one to think beyond the traditional career choices and land up in teacher / guide relationship there is always a gap in getting right information through one single source. With world and technology undergo rapid changes and advancement, it becomes difficult for one to In spite of all developments in terms of communication, awareness, peer bonding, student opportunities at different stages of entry levels. Most of the time, students will be in a greater dilemma in every step of their education due to lack of proper tools to help them choose a right path. Taking well which will offer them to establish their future is crucial. Life science is also flexible in offering endless getting right information on a right path either study opportunities, internship, research, job or carea an appropriate college / university / institution / company

if is necessary to provide up to date information. This book is a good step in that direction and I sincerely I am extremely happy that Dr. NPM Mohamed Tariq has taken this initiative to bring out a comprehensive book tilled "Furure prospects in life science - Navigating the path to Industrial jobs and carear development. This book offers an updated information for site science students in India. The book provides information on summer training & internships, training opportunities, jobs in different industries in India. He has taken efforts to provide as much as information about the Industries, Research and Development centres, Training centres with the company name, its background contact particulars, including address, phone number and website for the benefit of the readers. As we all know it's always challenging to compile information. In this age of constant development and breaking of barriers globally hope that this book would be very useful to the readers.

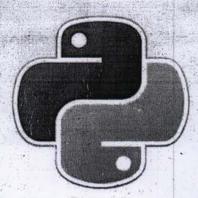


20-21-35

BASIC'S FOR PYTHON

First Edition

PROF C A MOHAMED ZAMEER



The Author

C A Mohamed Zameer M.Sc., M.Ed., M.Phil is Assistant Professor of Department of Computer Science, Islamiah College [Autonomous], Vaniyambadi – Tirupattur Distret, Tamilnadu. He has more than 12 years of Teaching experience he has Authored Several Books.





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Author

C.A.MOHAMED ZAMEER

Assistant Professor, Department of Computer Science
Islamiah College [Autonomous] Newtown, Vaniyambadi,
Tiruppatur–District, Tamilnadu-635751

E-Mail:Zameer64@gmail.com

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Author

PROF C A MOHAMMED ZAMEER

Assistant Professor of Department of Computer Science, islamah College [Autonomous] Varinyambadi. Turparrur District, Tamilnadu 635,751 E-Mall connected gmall com You Tube Link, https://www.youtube.com/c/EZCHANNELS

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LEARNING WITH R-PROGRAMMING & R-STUDIO

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The Author

C A Mohammed Zameer wsc MER M Post

is Assistant Professor of Department of Computer Science, Islamiah College [Autonomous] Vaniyambadi - Tirupattur District, Tamihadu. He has more than 12 years of Teaching experience be has Authored Several Book.



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P. MAGIZHAN, M.Sc., M.Phil., Associate Professor & Head Dept. of Computer Science Islamiah College VANIYAMBADI-635 752

51. முனைவர் கோ. வெங்கடகிருஷ்ணன் வாழ்வும் பணியும்

அ. அஸ்கர் உதவிப்பேராசிரியர் பகுதிநேர முனைவர் பட்ட ஆய்வாளர் தமிழ்த்துறை இசுலாமியாக் கல்லூரி (தன்னாட்சி) வாணியம்பாடி 635 752

வாழ்க்கை வரலாறு என்பது தனிமனித வாழ்க்கையில் நடைபெற்ற செயல்களையும் அவர் தனித்தன்மையையும் சுருக்கமாகவும் அழகுணர்வோடும் எடுத்துரைத்துப் பதிவதாகும். வரலாற்றைப் போலல்லாமல் தனியொருவரைப் பற்றியது. நெடுங்கதை போலல்லாமல் வாழ்ந்த வாழ்க்கையினைப் பதிவு செய்வது. அவ்வகையில் என்னுடைய முனைவர் பட்ட நெறியாளரும் வாணியம்பாடி இசுலாமியாக் கல்லூரித் தமிழ்த்துறைப் பேராசிரியருமான முனைவர் கோ. வேங்கடகிருஷ்ணன் அவர்களின் வாழ்வும் பணியையும் ஆராய்வதே இக்கட்டுரையின் நோக்கமாகும்.

எழுத்தாளனின் வாழ்க்கை வரலாற்றினை அறிவதன் நோக்கம் அவர்தம் கருத்து, உணர்வு, இலட்சியம், கொள்கை, கோட்பாடு ஆகியனவற்றை அறிவதாகும். படைப்பாளரின் தனிவாழ்வை அறிவதனால் அவர் படைப்புகளில் அவரின் தன் அனுபவப் பதிவுகள் இடம் பெற்றிருப்பதைக் காணலாம்.

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Dept of Arabic, Persian & Undu University of Madras, Chennal-600005 (TN)

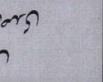


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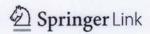
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مئز دیڑھار، بلند پائیقتن ادرقادیمی تھے۔ پردفیر میسون اخلاق دکردار کا ایک ایسا چینا جا كتائمونه يحين كودي كم أودين سيل كريم لوني بين أبتا تفاكده وايك وشع واراوز فرشته منامرخسے اپنی شخصیت کا ایبا آئینہ خانہ جایا تھا جوآج تھی طالبان مکم وادب کے لیے حفت انسان تھے۔ان کا قابرو باطن کیساں قیا۔وہ شاور ملم وادب تھےاور ساوئی وشائش کا يكريس والغرجول عرفان ئے شرافت وائیانیت بهروت دمیت اوراصول استقامت ک دياۓ رودار بي دُاكِرُ سيّد جال عرفان ايت قالم احاد ونئين ايك (پروفیمر بیر تبادیشن)

ملا حدہ پہنال رکتے ہیں۔ پیرے اب تک کے پہناروں شاکردوں میں ڈاکٹر سیدالدین نے اپٹی کریوں اور تقریروں ہے بھے سب ہے زیادہ متاثر بھی کیا ہے۔ ان کی نگارشات یں جیں گئے ری ، ڈرف بنی اوراحتدال دقواز ن کا احباس ہوتا ہے دہاں وواپنے امداز فقامت سے مامیین کے دوں کولوٹے کا ہمرٹی جانتے ہیں اور پیدا بشیران کے انتہاک ، غوروكل وسطامطالعة ورئت كالمروب-واكزسيدالدين كويل ال لياجى عزيز ركتابون كدووابية بهمعمرول بث ايك (پروند سیر بید تجادیس

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Extraction of Silver Nanoparticles (Ag-NPs) by Green Synthesis from Aqueous Extract of Seaweeds and Their Consequences on HeLa Cell Line and Their Utility on Soil by Spectroscopic Tools

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- M. Vimalan (6)
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- 1. Department of R&D, Edayathangudy G S Pillay Arts and Science College (Autonomous), , Nagapattinam, India
- 2. Department of Physics, Edayathangudy G S Pillay Arts and Science College (Autonomous), , Nagapattinam, India
- 3. Department of Botany, St. Mary's College (Autonomous), , Thoothukudi, India
- 4. Department of R&D, St. Peter's Institute of Higher Education and Research-SPIHER,
- , Chennai, India
- 5. Department of Biotechnology, Islamia College (Autonomous), , Vaniyambadi, India
- 6. Department of Physics, Thirumalai Engineering College, , Kanchipuram, India
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Abstract

Seaweed extracts have been used to synthesize silver nanoparticles (Ag-NPs) as they offer many benefits and utilities. The use of biological materials in nanoparticles synthesis is preferred as they are eco-friendly and compatible for pharmaceutical and other biomedical and therapeutic applications. As the number of applications of NPs increases,

assessment of the risks posed by NPs is important and it has developed into an area of research itself. Metallic nanoparticles have different applications such as in electronics, catalysts and photonic applications. Silver metal has toxicity against a wide range of micro organisms especially silver nanoparticles which has promising antimicrobial properties and other bio utilities. Silver nanoparticles are effective as anti-inflammatory, anti-angiognesis, antiviral and anti-platelet activity against cancer cells. The Ag-NPs synthesized were from the aqueous extracts of seaweeds and were characterized by using spectral analysis as a perspective tool. The effect of the synthesized silver nanoparticles on the isolated soil microbes were assessed by different assays such as Calorimetric chowder assay and Agar diffusion assay. The effect of synthesized Ag-NPs on earthworm was also studied by examining its morphology and histology. The toxicity of the combined seaweed-AgNPs against HeLa carcinoma cells has been analyzed. Also the Ag-NPs are studied with Fluorescence—FL activity with band gap in eV.

Keywords

Silver NPs Green synthesis Seaweed HeLa cell line Soil Spectroscopic tools This is a preview of subscription content, log in to check access.

Notes

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References

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MOLECULAR TAXONOMY IN THE NEW MILLENNIUM N. Shabeer Ahmed and H. Abdul Jaffar Ali

Assistant Professors, Department of Biotechnology, Islamiah College (Autonomous), Vaniyambadi, Tamil Nadu, India.

shabeer.sanbio@gmail.com

Taxonomy is a proud and independent science whose achievements rank as some of the outstanding successes of modern science. It is not a technical support service for the rest of biology, but a science that advances through testing hypotheses about taxon status and phylogenetic relationships. Yet taxonomy stands alone, divorced from the rest of biology, at its peril. Many areas of fundamental and applied biology rely on a firm taxonomic bedrock for their success, and these different fields can also assist the taxonomist in his or her work, either by providing new information or character states, or through the provision and adaptation of new analytical techniques.

The biological diversity of earth is estimated to harbour as many as 30 million species of whichmore than 1.75 million have been described. With about 28.25 million species yet to be described, our gap in taxonomic understanding is truly an issue, especially considering that India, one of the 17 mega-diversity countries, contains global hotspots of biodiversity which are unusually enriched with endemic species. This is attributable to India's unique biogeographical location and diversified climatic conditions. India holds only 2% of the World's total land surface but harbours over 7.43% of the world's species of animals. This precious natural bio-richness is

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Assistant Professor
PG & Research Department of Commerce
Islamiah College (Autonomous)
New Town, Vaniyambadi – 635 752
(Lessons 1-6)

Dr. T. Afsar Basha

Associate Professor
PG & Research Department of Commerce
Islamiah College (Autonomous)
New Town, Vaniyambadi – 635 752
(Lessons 7-12)

COORDINATION AND EDITING

Dr. B. Devamaindhan

Associate Professor in Management Studies
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COURSE WRITERS

Dr. T. MOHAMED ILYAS M.Com., M.B.A., M.Phil., Ph.D.

PRINCIPAL

ISLAMIAH COLLEGE (AUTONOMOUS)

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Lessons 1 to 6

Dr. V. MAHMUDUL HASAN M.Com., M.B.A., M.Phil., Ph.D.

ASSISTANT PROFESSOR

P.G. & RESEARCH DEPARTMENT OF COMMERCE

ISLAMIAH COLLEGE (AUTONOMOUS)

VANIYAMBADI - 635 751

VELLORE DISTRICT, TAMILNADU

Lessons 7 to 12:

COORDINATION AND EDITING

Dr. B. DEVAMAINDHAN Ph.D.

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DEPARTMENT OF MANAGEMENT STUDIES

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UNIT IV

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COURSE WRITER

Dr. S. Thameemul Ansari

Assistant Professor

PG & Research Department of Commerce
Islamiah College (Autonomous)

New Town, Vaniyambadi – 635 752

COORDINATION AND EDITING

Dr. B. Devamaindhan

Associate Professor in Management Studies
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The aim of this book is to present STOCHASTIC MAINTENANCE MODELS in a simple but precise context. This book deals with stochastic systems which may fail during the operating stage of their life times. Several stochastic maintenance models have been introduced. For all these models, explicit cost structures have been determined. Numerical illustrations are presented. The properties of quasi renewal process in two dimensions have also been discussed. also been discussed.

U. Rizwan earned his Ph.D. degree in Mathematics from University of Madras. He has successfully guided five Ph.D. research scholars. He is having 33 years of Teaching and Research experience and authored 14 books.

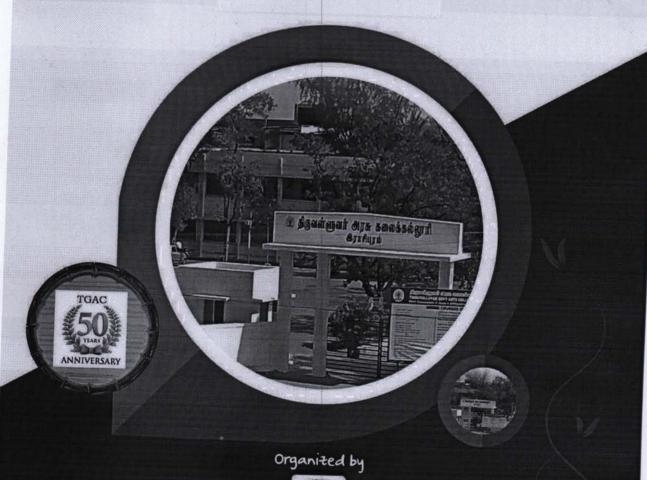
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Dielectric Relaxation Studies of Acrylamide with Glycols in Non-Polar solvents

A. Aathif Basha, F. Liakath Ali Khan

Department of Physics, Islamiah College (Autonomous), Vaniyambadi-635752. Tamilnadu, India

*Email: aatifbasha@gmail.com

Abstract-The dielectric relaxation of Glycols (ethylene glycol, diethylene glycol and triethylene glycol) with Acrylamide in dilute solution of Benzene and 1,4-diaxone is measured at 9.37 GHz using Frequency domain (X-band) technique. Different dielectric parameters like dielectric constant (ϵ '), dielectric loss factor (ϵ ") at Microwave frequency, static dielectric constant (ϵ_0) and dielectric constant at infinite dilution (ϵ_{∞}) at optical frequency have been determined. From the measured dielectric data, the relaxation time (
) calculated using Higasi method and activation energies ($\Delta F \tau$ and $\Delta F \eta$) have been determined. The relaxation time and molar free energy activation of 1:1 molar ratio is greater than other higher molar ratios (i.e. 3:1, 2:1, 1:2, 1:3) confirm that the existence of most likely 1:1 complex formation between the studied systems and also complex formation formed between free hydroxyl group of glycols and carbonyl group of amide.

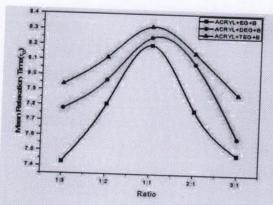
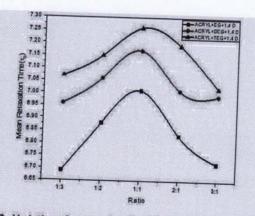


Fig. 1. Variation of mean relaxation time with ratio of Glycols and Fig. 2. Variation of mean relaxation time with ratio of Glycols and Acrylamide in Benzene.



Acrylamide in 1,4 dioxane.