

## STAFF PROFILE

**Name** : Dr. S. Khaleel Basha

**Designation** : Assistant Professor

**Department** : Post Graduate & Research Department of Chemistry

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### 1. Academic Qualification

Degree	Year	Subject	Institution	University
Ph.D.	2010	Biochemistry	Thiruvalluvar University, Vellore	Thiruvalluvar University, Vellore
M.Phil.	2003	Life Sciences	Manonmaniam Sundranar University, Tirunelveli.	Manonmaniam Sundranar University, Tirunelveli.
PG	2000	Biochemistry	Mohammed Sathak College, Chennai	University of Madras, Chennai
UG	1996	Biochemistry	MGR College, Hosur,	University of Madras, Chennai

### 2. Work Experience

S.No.	Positions Held	Name of the Institute	From	To
1.	Assistant Professor	SLN College, Palluru, Chittoor Dist, AP-817132	2000	2002
2.	Assistant Professor	C.Abdul Hakeem College Melvisharam, Vellore Dist TN-632509	2002	Till date

### 3. Professional Recognition/Award/Prize/Certificate/Fellowship received

S.No.	Name of the Award	Awarding Agency	Year
1.	National Eligibility Test (NET)	ICAR- New Delhi	2001

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### 4. Research

#### 4.1 List of Papers published

S.No	Author	Title	Name of the Journal	Volume	Page	Year
1.	<b>S.Khaleel Basha,</b> R.Poonguzhali V. Sugantha Kumari	Fabrication of Asymmetric Nanostarch Reinforced Chitosan/Pvp Membrane and Its Evaluation as an Antibacterial Patch for in Vivo Wound Healing Application	<i>International Journal of biological macromolecules</i>	114	204-213	2018
2.	<b>S. Khaleel Basha,</b> V. Sugantha Kumari, K. Kanimozhi, K. Kaviyarasu	Development of Biomimetic Hybrid Porous Scaffold of Chitosan/Polyvinyl Alcohol/Carboxymethyl Cellulose by Freeze-Dried and Salt Leached Technique	<i>Journal of Nanoscience and Nanotechnology</i>	18	1-7	2018
3.	<b>S.Khaleel Basha,</b> R.Poonguzhali V. Sugantha Kumari	Novel asymmetric chitosan/PVP/nanocellulose wound dressing: In vitro and in vivo evaluation	<i>International Journal of biological macromolecules</i>	112	1300–1309	2018
4.	<b>S.Khaleel Basha,</b> R.Poonguzhali V. Sugantha Kumari	Synthesis and characterization of chitosan-PVP-nanocellulose composites for <i>in-vitro</i> wound dressing application	<i>International journal of biological macromolecules</i>	105	111-120	2017
5.	<b>S.Khaleel Basha,</b> R.Poonguzhali V. Sugantha Kumari	Nanostarch Reinforced with Chitosan/Poly(vinylpyrrolidone) Blend for <i>Invitro</i> wound Healing Application	<i>Polymer – Plastics Technology and Engineering</i>	doi.org/10.1080/03602559.2017.1381255	–	2017
6.	<b>S.Khaleel Basha,</b> T.Nalini V. Sugantha Kumari	Novel Nanosystems for Herbal Drug Delivery	<i>World Journal of Pharmacy and Pharmaceutical sciences</i>	6 (05)	1447-1463,	2017
7.	<b>S.Khaleel Basha,</b> R.Poonguzhali V. Sugantha Kumari	Synthesis of alginate/nanocellulose bionanocomposite for in vitro delivery of ampicillin.	<i>Polymer Bulletin</i>	-	pp1-9	2017
8.	<b>S.Khaleel Basha,</b> R.Poonguzhali V. Sugantha Kumari	Synthesis and characterization of chitosan/poly (vinylpyrrolidone) biocomposite for biomedical application	<i>Polymer Bulletin</i>	6 (74)	2185-2201	2017
9.	<b>S.Khaleel Basha,</b>	Processing and characterization of chitosan/PVA and methylcellulose	<i>Materials Science and</i>	61	484–491	2016

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	K. Kanimozhi V. Sugantha Kumari	porous scaffolds for tissue engineering	<i>Engineering C</i>			
10	<b>S.Khaleel Basha,</b> K. Kanimozhi V. Sugantha Kumari	Fabrication of chitosan based hybrid porous scaffolds by salt leaching for soft tissue engineering	<i>Surfaces and Interfaces</i>	1(3)	7-12	2016
11	<b>S.Khaleel Basha,</b> K. Vijaya Lakshmi, V. Sugantha Kumari	Ammonia sensor and antibacterial activities of green zinc oxide nanoparticles	<i>Sensing and Bio-Sensing Research</i>	10	34-40	2016
12	<b>S.Khaleel Basha</b> V. Sugantha Kumari	<i>In vitro</i> $\alpha$ -glucosidase and $\alpha$ -amylase inhibitory activity of <i>Psidium guajava</i> extract	<i>Journal of Pharmacy Research</i>	. 8(3)	349- 351	2014
13	<b>S.Khaleel Basha,</b> G.Sivagammi Sundari V. Sugantha Kumari	Facile Synthesis of Gold Nanoparticles with great catalytic activity using <i>Ulva Fasciata</i>	<i>Letters in Applied NanoBioscience</i>	3	124- 129	2014
14	<b>S.Khaleel Basha</b> V. Sugantha Kumari P.N.Sudha	Performance of crosslinked chitosan based hybrid ternary blend for separation of cadmium	<i>International Journal of Current Research</i>	5	2196- 2201	2013
15	<b>S.Khaleel Basha,</b> V. Sugantha Kumari	In vitro antidiabetic activity of psidium guajava leaves extracts	<i>Asian Pacific Journal of Tropical Disease</i>	S98- S100	S	2012
16	<b>S.Khaleel Basha</b> V. Sugantha Kumari P.N.Sudha	Physicochemical and Morphological evaluation of chitosan/poly(vinyl alcohol)/methyl cellulose chemically crosslinked ternary blends.	<i>Polymer Bulletin</i>	68	1387- 93	2012
17	<b>S.Khaleel Basha</b> V. Sugantha Kumari P.N.Sudha	Fabrication and antibacterial evaluation of Chitosan/Poly(vinyl Alcohol)/Methylcellulose ternary blend film	<i>Journal of Pharmacy research</i>	4	2840- 2841	2011
18	<b>S.Khaleel Basha</b> V. Sugantha Kumari P.N.Sudha	Bioremediation of dyeing industry effluent using modified carbon	<i>International journal on Applied BioEngineering</i>	4	34	2010
19	<b>S. Khaleel Basha, K.</b>	Phytochemical mediated gold nanoparticles and their PTP 1B	<i>Colloids B Interface</i>	75	405- 409	2010

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	Govindaraju, R. Manikandan, Ahn, J.S., Bae, E.Y G.Singaravelu	inhibitory activity				
20	<b>S. Khaleel Basha,</b> K. Govindaraju, V. Ganesh Kumar G.Singaravelu	A novel green synthesis of silver, gold and bimetallic nanoparticles using <i>Spirulina platensis</i> geitler	<i>Journal of material science</i>	43	5115-5122	2008

#### 4.2 Detail of patents. NIL

#### 4.3 List of Books/Reports/Chapters/General articles etc.

Author's Name	Book Title	Publisher	Year of Publication	ISBN
<b>S.Khaleel Basha</b>	<b>Smart Polysaccharides nanosystem as scaffolds for Tissue Engineering</b>	Lambert Academic Publishers, Germany	2016	978-3-659-97851-7

#### 4.4 List of Paper Presentations in National/International Seminar/Conference

1. **State Level Seminar on Bio Sciences**, C. Abdul Hakeem College, Melvisharam. 5<sup>th</sup> Jan 2005.
2. **National Level Seminar on Recent Trends in Analytical Instrumentaion Short term training programme**, S.R.M. Engineering College, Kattankulathur, 1<sup>st</sup> & 2<sup>nd</sup> April 2005.
3. **State level Seminar on Recent Trends in Bio Sciences**, K.M.G. College, Gudiyattam, 21<sup>st</sup> & 22<sup>nd</sup> December 2006
4. **Workshop on Molecular Biology Techniques & Bioinformatics Tools & Softwares**, D.K.M. College, Vellore, 9<sup>th</sup> & 10<sup>th</sup> Jan 2006.
5. **National Symposium –II on EKE-LORE-DIABETOLOGIA**, D.K.M. College, Vellore, 20<sup>th</sup> Jan 2006.
6. **National Level Seminar on Stem Cells**, by Auxilium College, Vellore, 14<sup>th</sup> September 2007.
7. **Sixth Winter Symposium on Cardio Vascular Sciences**, C.M.C., Vellore, January 10-12, 2008.

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8. **National Symposium on Recent Trends in Molecular Diagnosis and Nano therapeutics, Adhiparasakthi College of Arts and Science, Kalavai, 15<sup>th</sup> & 16<sup>th</sup> October 2008**
9. **International Conference on Frontiers in Nano Science & Technology, Cochin, Kerala, January 3-6, 2009.**
10. **National Conference on Recent Trends in Chemical and Biological Sciences, K.M.G. College, Gudiyattam, 23<sup>rd</sup> & 24<sup>th</sup> January 2009.**
11. **National Seminar on Recent Trends in Biochemistry, by Auxilium College, Vellore, 13<sup>th</sup> October 2009.**
12. **National Conference on interplay of Biological and Chemical Sciences, by Thiruvalluvar University, Vellore, January 6-8, 2010.**
13. **National Seminar on Recent Trends in Bio Sciences, K.M.G. College, Gudiyattam, 15<sup>th</sup> October 2010.**
14. **State Level Seminar on Recent Trends in Chemistry, C. Abdul Hakeem College, Melvisharam, 28<sup>th</sup> December 2011.**
15. **State Level Seminar on Recent Trends in Chemistry, C. Abdul Hakeem College, Melvisharam, 28<sup>th</sup> December 2011.**
16. **UGC Sponsored National Seminar on Recent Research Trends in Chemistry, C. Abdul Hakeem College, Melvisharam, 25<sup>th</sup> & 26<sup>th</sup> Septmeber 20141.**
17. **UGC Sponsored on Curriculum Development in Higher Education, C. Abdul Hakeem College, Melvisharam, 26<sup>th</sup> February 2015.**
18. **National Conference on Frontiers in Chemistry and Environment (NCFCE-2015), C.Abdul Hakeem College, Melvisharam, 27<sup>th</sup> and 28<sup>th</sup> March 2015.**
19. **UGC sponsored One Day Seminar “ Recent Trends in Research”, C.Abdul Hakeem College, Melvisharam, Vellore, 31<sup>st</sup> March 2015.**
20. **National Symposium on Chemistry for Engineers, C.Abdul Hakeem College, Melvisharam, Vellore, 9<sup>th</sup> April 2016.**
21. **A One Day State Level Seminar, “Advances in Environmental Chemistry” C.Abdul Hakeem College, Melvisharam , 22<sup>nd</sup> February 2016.**
22. **International seminar on Internal Quality Assurance Cell and Organisation of Muslim Educational Institutions and Associations of Tamil Nadu, C.Abdul Hakeem College, Melvisharam, 8<sup>th</sup> October 2016.**
23. **UGC Autonomous funded One Day State level Seminar on Challenges in Green and Environmental chemistry, C.Abdul Hakeem College, Melvisharam, 15<sup>h</sup> February 2017.**