

## FACULTY PROFILE

<b>Name of Teaching Staff / RMK ID</b>	Dr.S.D. Uma Mageswari / T0005		
<b>Designation</b>	Professor		
<b>Department</b>	Science & Humanities		
<b>Date of Joining the Institution</b>	01.09.1995 (Regular)		
<b>Qualifications</b>	M.Sc (Chemistry) M.Tech.	M.B.A (Gen) M.B.A (OP)	Ph.D
<b>Total Experience</b>	Overall : 28 years 2 months	in RMK : 28 years 2 months	
<b>Papers Published in Journal</b>	Overall : 19	After Joining RMK :19	
<b>List of Papers Published</b>	<p>1. Flax- and Graphene-Reinforced Natural Fiber Nanocomposites under Cryogenic Environment for Constructional Applications Munirah D. Albaqami,1N. Krishnamoorthy,2.S. D. Uma Mageswari,3Sarita Santaji Shinde,4S. C. V. Ramana Murty Naidu,5Neha Munjal,6Aboud Ahmed Awadh Bahajjaj,1S. H. Mohammed,7and Prasath Srinivasan Journal of Nanomaterials, Volume 2022, Year 2022, Pages</p> <p>2. Converting plastics to fuel using solar energy Senthil Kumar Srinivasan, Uma Mageswari Deivasigamani, Bibin Chidambaram, et al AIP Conference Proceedings , Volume 2527, Year 2022, Pages 030013</p> <p>3. Effect of energy storage material on a triangular pyramid solar still operating with constant water depth Senthil Kumar S.a , Uma Mageswari S.D. , Meena M. , V. Nagaraju , Bhaskarrao Yakkala , D. Vinod, Mageshbabu D, Madhu B , Ravishankar Sathyamurthy Energy Reports, Volume 8, Year 2022, Pages 652–658</p> <p>4. Domestic water treatment - an indian perspective Dr.Senthil kumar and SD Uma Mageswari Journal of physics - conference proceeding, Volume , Year 2021, Pages</p> <p>5. Changing paradigms of engineering education-An Indian perspective Madheswari, S Pavai and Mageswari, SD Uma Procedia Computer Science, Volume 172, Year 2020, Pages 215--224</p> <p>6. Knowledge Management and organizational performance in</p>		

manufacturing companies Dr S.D. Uma Mageswari TEST Engineering and Managment, Volume 8, Year 2020, Pages

7. Policy Initiatives For Effective Solid Waste Management In India - A Critical Review Dr.S.D.Uma Mageswari, Dr.A.Vijayalakshmi International journal of Advanced and innovative research, Volume 6, Year 2019, Pages 190-193

8. A comprehensive analysis of knowledge management in Indian manufacturing companies Mageswari S.D.U.;Sivasubramanian R.C.;Dath T.N.S. Journal of Manufacturing Technology Management, Volume 28, Year 2017, Pages 506-530

9. The Impact of Government Initiatives on Knowledge Management Processes: An Empirical Analysis Dr.S.D. Uma Mageswari, Dr. Chitra Sivasubramanian and Dr.T.N.Srikantha Dath IUP Journal of Knowledge Management, Volume 14, Year 2016, Pages

10. An Empirical Analysis of ICT Tools Deployment By The Indian Manufacturing Firms Dr.S.D. Uma Mageswari , Dr.Chitra Sivasubramanian and Dr. T.N. Srikantha Dath IIMS Journal of Management Science, Volume 7, Year 2016, Pages

11. Impact of size of the manufacturing firms on knowledge management practices: An empirical analysis Uma Mageswari S.D.;Sivasubramanian C.;Srikantha Dath T.N. Jurnal Pengurusan, Volume 45, Year 2015

12. Critical Success Factors And Their Impact On Knowledge Management In Medium Sized Manufacturing Companies Ms.S.D. Uma Mageswari, Dr. Chitra Sivasubramanian, Dr.T.N.Srikantha Dath International journal of science, Technology & Management, Volume 40, Year 2015, Pages

13. Impact of ICT on Knowledge management in manufacturing companies in India S.D. Uma Mageswari, Dr.Chitra Sivasubramanian IEEE, Volume , Year 2015, Pages

14. Knowledge Management Enablers, Processes and Innovation in Small Manufacturing Firms: A Structural Equation Modeling Approach SD Uma Mageswari, C Sivasubramanian, TN Srikantha Dath IUP Journal of Knowledge Management, Volume XIII, Year 2015, Pages

15. Impact of Organisational Demographic Characteristics on Knowledge Management Practices in Manufacturing Companies Ms.S.D. Uma Mageswari, Dr. Chitra Sivasubramanian The International Journal of Business & Managemen, Volume 2, Year 2014, Pages

16. ICT adoption in Manufacturing SMEs Ms.S.D. Uma Mageswari , Dr. Chitra Sivasubramanian International journal of Management and Technology, Volume 4, Year 2013, Pages 126-135

17. Impact of Organizational Culture and Leadership on Knowledge Management in Manufacturing Companies S.D. Uma Mageswari, Dr. Chitra Sivasubramanian PARIPEX - INDIAN JOURNAL OF RESEARCH, Volume 3, Year 2013, Pages

18. Role of Government of India in Enhancing Knowledge Management Practices in MSMES Dr. Chitra Sivasubramanian,

	Ms.S.D. Uma Mageswari International Journal Of Research In Computer Application & Management, Volume , Year 2012, Pages 19. Knowledge Management in a manufacturing SME – A Case study Ms.S.D. Uma Mageswari, Dr. Chitra Sivasubramanian NIMS journal of management research, Volume 1, Year 2011, Pages	
<b>Papers Presented in Conferences</b> (Scopus / WoS indexed only)	Overall : 5	After Joining RMK :5
<b>Ph.Ds / Projects Guided</b>	Ph.Ds Guided : -	Student Projects Guided : 40 (MBA)
<b>Books Published :</b>	Count : 3	
	List : 1) Engineering Chemistry - V Srinivasan, S.D. Uma Maheshwari, M. Meena. SCITECH Publications India Pvt., Ltd., Chennai-600001. 2) Ariviyalum Andrada Vazhviyalum-TNSCST 3) Principles and Fundamentals Of Management – (ISBN:978-93-5625-416-9), Scientific international publishing house.	
<b>Patents</b>	Published Count : 6	Granted Count :-
	List : 1. Virtual Mouse System using Object Detection – published on 04/02/2022 (app. No.: 202141059518) 2. Robotic Arm Using Arduino In Construction Work – published on 13.5.2022, ( App.No.: 202241019797) 3. Development of Plant Health Monitoring and Irrigation System – Published on 23.5.2022 (App.No: 202241003715) 4. Device For Analysis Of Market Communication In Tourism, published on 1.4.2022 (App.No.:202221009290) 5. A deep learning-based Content sharing system and methods, published on 26.11.2022 (Application No.: 202141052082) 6. Biomaterial infused chitosan beads for the effective removal of oil and heavy metal ions from industrial effluents, Published on 8.4.2022 (App.No.202241015079)	
<b>Professional Memberships</b>	Count :4	
	List : 1. Hong Kong Chemical, Biological& Environmental Engineering Society (HKCBEEES). 2. Life time member of ISTE 3. Life time member of ISSAI 4. Member of IMRF, Vijayawada	

<b>Consultancy Projects Completed</b>	Count : 1 Development of website for “Sri Durgadevi polytechnic college”, Kavaraipettai
<b>Awards Received</b>	Count : 4
	List : <ol style="list-style-type: none"> <li>1. Received Proud Indian – Inspiring teacher award – Management, IMRF, 2022</li> <li>2. Received “<b>Extra Mile Award</b>” for contribution to conducting BEC Examinations by Cambridge English, University of Cambridge in 2020.</li> <li>3. Received a “Corporate Service Award” from Nittan Tech India Ltd., Sree City.</li> <li>4. Received “Service Excellence Award” from RMK Alumni during 25<sup>th</sup> Alumni meeting held during November 2016.</li> </ol>
<b>Research grants Received</b>	<ol style="list-style-type: none"> <li>1. Development of Mobile App – MyVillage for disseminating Government schemes in Tamil, UBA- 1,00,000 sanctioned in April 2022</li> <li>2. Development Of Website For Primary Schools- <a href="http://www.katralinimai.com">www.katralinimai.com</a>, Co-PI, UBA- 1,00,000</li> <li>3. Solid waste management- Conversion of kitchen waste to biomanure – PI, 50,000, UBA</li> <li>4. Technical book writing in Tamil – Ariviyalum Andrada Vazhviyalum, Co-PI, 15,000, TNSCST</li> <li>5. PERennial Assistance award received for rural development – 1,75,000, UBA</li> </ol>
<b>Orchid Link / ID</b>	ID : 0000-0002-3472-9495
<b>Google Scholar Link / ID</b>	ID : 4_5T4mEAAAA
<b>Vidwan Link / ID</b>	ID : 281613
<b>Research Gate Link / ID</b>	<a href="https://www.researchgate.net/profile/Uma-Mageswari-3">https://www.researchgate.net/profile/Uma-Mageswari-3</a>
<b>Scopus Link / ID</b>	ID : 57144634100