Curriculum Vitae

ABHITHA K.

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Department of Polymer Science and Rubber Technology
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ACADEMIC PROFILE

Course	University	College	Percentage	Year of Passing
Ph.D.	Cochin University of Science and Technology	Department of Polymer Science and Rubber Technology		16.02.2018
M. Tech. (Polymer Technology)	Cochin University of Science and Technology	Department of Polymer Science and Rubber Technology	8.51 (CGPA)	2006
B. Tech.(Chemical Engineering)	Calicut University	Govt. Engineering College, Kozhikode, Kerala.	74.21%	2003

Professional Experience

- Working as **Assistant Professor at Dept. of P.S. & R.T., CUSAT** since **28.07. 2015.**
- Worked as **Lecturer on contract basi**s (**5 years**) at **Dept. of P.S. & R.T., CUSAT** since **15.07.2010.**

Industrial Experience – 1 Year & 7 Months

- QA Officer in Truskin Gloves Pvt. Ltd., Kochi during01.03.2010 to 13.07.2010.
- QA Officer in Beta Health Care Products Pvt Ltd, Kochi during 17.11.2008 to 15.02.2010.

List of Publications

- Studies on non-regulated safe binary accelerator system for efficient vulcanisation of natural rubber, **Abhitha K.**, Philip Kurian, Thomas Kurian and L. Jayabalan, ***Progress in Rubber, Plastics and Recycling Technology***, **29**(2), (2013), 99-108.

- Evaluation of TBBS and TBzTD based binary accelerator systems in natural rubber compounds, **Abhitha K.**, Thomas Kurian and Jayabalan L., ***Rubber Science***, **29**(2), (2016), 199-206.

- Non-regulated Accelerator (DCBS/DBBS) incorporated natural rubber formulations-cure characteristics and mechanical properties, **Abhitha K.** and Thomas Kurian, ***International Journal of Research and Scientific Innovation (IJRSI),*** **IV (**VIS), (2017), 1-6.

- Epoxidised natural rubber - a substitute for silane coupling agent in safe silica-filled natural rubber formulations, **Abhitha K.** and Thomas Kurian, ***International Journal of Latest Technology in Engineering, Management & Applied Science (IJLTEMAS),*** **VI**(VIIS), (2017), 23-29.

Ongoing Projects:

S.No:	Title of the project	Funding agency	Total outlay (Rs.)	Principal Investigators	Duration
1	Development of Non-carcinogenic binary accelerator based vulcanization system for natural rubber	UGC SAP DRS II	1,24,000,00	Dr. Thomas Kurian (Co-ordinator) & Dr. Abhitha K. (Deputy Co-ordinator)	01.04.2015-31.03.2020
2	Utilization of Waste Expanded Polystyrene to a value added material-carbon dots	Seed Money for New Research Initiatives (2018-19) – CUSAT	2,45,000	Dr. Abhitha K.	14.11.2018-13.11.2019

Area of Research:

- Non hazardous chemicals for vulcanisation of Natural Rubber.
- Utilization of waste Expanded polystyrene in various applications.