

The New College (Autonomous) , Chennai – 600 014.

## RESEARCH

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### Thrust areas of research

Departments	Thrust Areas of Research
Arabic	Indo Arabic and Islamic literature, Modern and Classical Arabic literature
English	Gender Studies, Post modernism, Cultural Studies & ELT.
Tamil	Islamic Tamil Literature
Commerce	Entrepreneurship studies, FDI
Economics	Development Economics, Policy Analysis
Physics	Material Science, Crystallography and Biophysics, Ultrasonic
Chemistry	Nano Chemistry, Organic Synthesis, Electrochemistry, Polymer Chemistry, Green Chemistry, Bio-inorganic chemistry
Zoology	Aquaculture, Environmental Sciences

The New College (Autonomous) , Chennai – 600 014.

RESEARCH

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*Number of conferences / seminars / workshops organized*

<b>Year</b>	<b>International</b>	<b>National</b>	<b>Others</b>	<b>Total</b>
2010-2011	-	2	1	<b>3</b>
2011-2012	1	6	1	<b>8</b>
2012-2013	-	3	2	<b>5</b>
2013-2014	-	6	4	<b>10</b>
2014-2015	1	12	4	<b>17</b>
<b>Total</b>	<b>2</b>	<b>29</b>	<b>12</b>	<b>43</b>

The New College (Autonomous) , Chennai – 600 014.

## RESEARCH

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### Research supervisors actively involved in guiding research

Department	M.Phil	Ph.D
English	8	2
Tamil	4	2
Arabic	3	3
Commerce	8	4
Economics	7	5
Chemistry	10	4
Zoology	5	5
Physics	-	4
Total	45	29

The New College (Autonomous) , Chennai – 600 014.

RESEARCH

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Departments	M.Phil		Ph.D	
	Full Time	Part Time	Full Time	Part Time
English	10	2	-	06
Tamil	06	02	18	05
Arabic	12	02	20	05
Economics	08	-	18	07
Commerce	09	-	24	08
Chemistry	10	02	14	06
Zoology	10	02	08	04
Physics	-	-	-	05

The New College (Autonomous) , Chennai – 600 014.

RESEARCH

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**Average number of successful M.Phil. and Ph.D. scholars guided per faculty  
for the academic years (2011 – 2015)**

S.No	Department	Average number of M.Phil Scholars per faculty member	No. of M.Phil Guides	Average number of Ph.D Scholars per faculty member	No. of Ph.D Guides
1	English	2	8	8	2
2	Tamil	-	-	-	2
3	Arabic	-	-	-	3
4	Economics	1	7	10	5
5	Commerce	1	6	10	4
6	Chemistry	1	7	-	4
7	Zoology	1	5	10	5
8	Physics	-	-	1	4

The New College (Autonomous) , Chennai – 600 014.

RESEARCH

Ongoing research projects

Year	Principal Investigator & Department	Number	Name of the project	Name of the funding agency
2012-2013	Dr. K. Altaff Zoology	1	Technology for production of indigenous live feed and formulated feed for sustainable rearing of developmental stages of Gold fish ( <i>Carassius auratus</i> ) and Koi carp ( <i>Cyprinus carpio</i> ).	UGC
2013-2014	Dr. R.Kumar Physics	1	Molecular Interactions of cephalosporin antibiotics with certain biomolecules through spectroscopic ultrasonic and dilute solution viscometric studies.	UGC
2014-2015	Dr.T.K.Shabeer Chemistry	4	Green Synthesis of Diverse cyclic dipeptides library and their biological evaluation.	UGC
	Dr.V.S. Jamal Ahmed Chemistry		Efficient greener synthesis and biological evaluation of nucleoside modified novel dihydropyrimidine (DHPM) derivatives using Biginelli reaction.	UGC
	Dr. H. Thajudeen Chemistry		Synthesis, characterization and biological efficacy of certain photocross linkable liquid crystalline copolymers possessing chlcone moiety in the main chain.	UGC
	Dr. R. Sugaraj Samuel		Growth and Spectral, Thermal, Mechanical, Electrical and Optical Studies on Semi-Organic L-Tryptophan Single Crystals with Dopants Zn, Cu, Ni and Mg for NLO Applications.	UGC

The New College (Autonomous) , Chennai – 600 014.

RESEARCH

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**Major Research Projects – Completed**

S. No.	Name & Designation	Title of the Project	Amount (Rs.)	Sponsoring Agency
1	Dr. Khalilur Rahman	Synthesis, Characterization, Catalytic & biological activities of new macrocyclic binuclear Cu(II) & Ni (II) Complexes.	7,16,800/-	UGC
2	Dr. K. Altaff	A Value Chain on Murrel Production in Tamilnadu & Orissa.	26,89,000/-	NAIP-ICAR, Govt.of India
3	Dr. Muzaffarudeen	Manuscripts of Persians & Urdu of Mysticism	5,57,800/-	UGC
4	Dr. K. Altaff	Restoration Assessment of Adyar Creek and Estuary using Invertebrate Dynamics.	4,99,400/-	Adyar Poonga Trust; Govt.of Tamil Nadu

The New College (Autonomous) , Chennai – 600 014.

RESEARCH

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**Minor Research Projects – Completed**

<b>S. No.</b>	<b>Name &amp; Designation</b>	<b>Title of the Project</b>	<b>Amount (Rs.)</b>	<b>Sponsoring Agency</b>
1	Dr.A. Abdul Raheem	Factors Determining Women SHG's and their Sustainability: A Micro Level Study'	1,00,000/-	UGC
2	Dr.A. Abdul Raheem	Intensity of Urban Residential Land Use and Land Price: An Econometric Analysis Spatial and Temporal Variations'	80,000/-	UGC



The New College (Autonomous) , Chennai – 600 014.

RESEARCH

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**Number of articles published by faculty during the last five years**

<b>Department</b>	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>Total</b>
Arabic	14	4	8	16	8	<b>50</b>
Bank Management	2	2	3	3	4	<b>14</b>
Biotechnology	6	6	4	4	4	<b>24</b>
Business Administration	1	1	1	1	3	<b>7</b>
Chemistry	5	10	9	14	16	<b>54</b>
Commerce	8	6	10	14	28	<b>66</b>
Computer Science	1	-	1	1	5	<b>8</b>
Corporate Secretaryship	7	2	4	8	4	<b>25</b>
Economics	9	26	18	21	5	<b>79</b>
English	1	5	3	10	12	<b>31</b>
French	-	-	-	-	2	<b>2</b>
Hindi	3	2	3	2	8	<b>18</b>
Historical Studies	1	1	1	1	6	<b>10</b>
Mathematics	2	2	2	2	4	<b>12</b>
Physics	12	12	21	11	12	<b>68</b>
Plant Biology & Plant Biotechnology	-	-	1	1	3	<b>5</b>
Sociology	1	2	1	2	2	<b>8</b>
Tamil	10	5	11	7	8	<b>41</b>
Urdu	1	-	-	1	2	<b>4</b>
Zoology	34	35	38	34	27	<b>168</b>
<b>Total</b>	<b>118</b>	<b>121</b>	<b>139</b>	<b>153</b>	<b>163</b>	<b>694</b>

The New College (Autonomous) , Chennai – 600 014.

RESEARCH

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**Number of Articles and Books published during the last five years**

<b>Year</b>	<b>No. of Books</b>	<b>Publications</b>
2010	2	118
2011	6	121
2012	5	139
2013	8	153
2014	13	163
<b>Total</b>	<b>34</b>	<b>694</b>

The New College (Autonomous) , Chennai – 600 014.

RESEARCH

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<b>S.No</b>	<b>Details of Publications</b>	
1	Number of papers published by faculty and students in peer reviewed journals	694
2	Books Written	34
3	Chapters in Book	85
4	Books with ISBN/ISSN numbers with details of publishers	ISBN: 20
5	Impact factor Range	0.27 - 2.5
6	h-Index Range	1 – 15
7	Citations Range	1 - 240

RESEARCH

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**Books Publications**

<b>S.No</b>	<b>Name of the Faculty</b>	<b>Title of the Book</b>	<b>ISBN No.</b>
1	Dr. M. Asrar Sheriff	Potential use of <i>Labeo rohita</i> as a bioindicator of zinc toxicity	978-3-659-2725-8.
2	Dr. M. Asrar Sheriff	Phyto-therapeutical potentials of selected plant extracts	978-3-659-46955-8
3	Dr. M. Asrar Sheriff	Biocontrol of mosquito larvae using <i>Calotropis procera</i> .	978-3-659-44769-3
4	Dr. A. Jawahar Ali	Aquatic toxicology-Toxicity of antifouling paints in selected zooplankton	978-3-8454-2369-2
5	Dr. A. Jawahar Ali	Biodiversity of zooplankton	978-3-8473-1027-3
6	Dr. A. Jawahar Ali	Studies on freshwater zooplankton	978-3-8484-3018-5
7	Mr. A.K.Sultan Mohideen	Biocontrol of mosquito larvae using <i>Calotropis procera</i> .	978-3-659-4769-3
8	N. Md. Azmathullah	Potential use of <i>Labeo rohita</i> as a bio-indicator of zinc toxicity.	978-3-659-2725-82

The New College (Autonomous) , Chennai – 600 014.

RESEARCH

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9	Mr. N. Md. Azmathullah	Biocontrol of Mosquito Larvae using <i>Calotropis procera</i> .	978-3-659-4769-3
10	Mr. M. Saiyad Musthafa	Sediment toxicity in South East Coast of India	978-3-8465-3702-2
11	Mr. M. Saiyad Musthafa	Environmental Radioactivity	978-3-659-17900-6
12	Dr. A. Abdul Raheem	Education for Socially and Economically Disadvantaged Groups in India: An Assessment.	978-3-8473-2577-2
13	Dr. A. Abdul Raheem	Women Empowerment through Self Help Groups	978-81-7788-287-6
14	Dr. A. Abdul Raheem	Islamic Banking: Principles, practices and performance	978-81-7788-357-6
15	Dr. S. Thothadri	Business Law	10:0-07-007805-X
16	Dr. S. Thothadri	Legal Aspects of Buiness	13:978-81-8209-315-7
17	Dr. S. Thothadri	Taxation Law and Practice-I	978-81-203-4661-1
18	Dr. S. Thothadri	Company Law and Secretarial Practice-I	978-81-8209-364-5
19	Dr. S. Thothadri	Company Law and Secretarial Practice-II	978-81-8209-368-3
20	Dr. S. Thothadri	Company Law	978-81-8209-388-1

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### RESEARCH

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The staff members are actively involved in both teaching and research activities. The following faculty members have received awards for their achievements.

<b>Name of the Faculty</b>	<b>Award</b>	<b>Year</b>
Dr. A. Jawahar Ali	Distinguished Alumni Award by Jamal Mohamed College, Tiruchirapalli.	2015
Dr. K. Altaff	Professor Emeritus	2014
Dr. K. Altaff	Environmental Award by Loyola College, Chennai.	2012
Dr. K. Altaff	Eminent Educationist Award by International Institute of Education and Management, New Delhi	2011
Dr. A. Hyder Ali	Best Paper presenter award Jamal Mohammed College	2012
	Distinguished Alumni Award	2011
Mr. A. K. Sultan Mohideen	Awarded as Best Participant in the Refresher Course conducted by TANUVAS University, Chennai	2010