



Profile of the Faculty

1. General Information:

Name of the Faculty	:	Dr. Balasaheb Dagadu Aghav
Name of the Department	:	Chemistry
Educational Qualifications	:	M.Sc., Ph.D., SET
Present Position	:	Associate Professor
Address for Correspondence	:	A-202, Om Darshan, Plot-A-5-2, Sector-7, Khanda Colony, New Panvel (W), Dist. Raigad, Maharashtra, India Pin-410206
E-mail	:	aghav77@gmail.com
Contact Number	:	8652747491
Specialization	:	Organic Chemistry
Total teaching experience	:	18 Years
Courses taught	:	UG- Organic Chemistry PG- Natural Products, Heterocyclic Chemistry, Synthetic Organic Chemistry
Research experience	:	10 years
Number of students registered for Ph.D. degree	:	01
Number of students awarded Ph.D. degree	:	---
Number of students registered for P.G degree by research	:	---
Number of students awarded P.G degree by research	:	---

2. Publication of Research Papers:

Peer reviewed journals	:	03
Non-peer reviewed journals	:	02
Conference proceedings	:	01

3. List of Publication of Research Papers:

1. Study of the ternary complexes of lanthanum with 2, 3-dimethyl-1-phenyl-4-salicylidene-3-pyrazolin-5-one and some Amino Acids, B. D. Aghav and R. S. Lokhande, *J. Chem. Pharm. Res.*, 2016, 8(6):380-386.

2. Synthesis, characterization and antibacterial properties of the ternary complexes of cerium with Schiff base derived from 4-aminoantipyrine and some amino acids, B. D. Aghav, S.K. Patil and R. S. Lokhande, *Adv. Appl. Sci. Res.*, 2015, 6(12):37-43.
3. Biodiesel Production from Cooking Oil and Waste Cooking Oil and Comparative Study of their Biofuel Properties, B.D. Aghav, *Anugoonj, Issue No. 03, 2013-2014, Page No. 12-15* (ISSN Number 2348-9731)
4. Physico-Chemical Analysis of Groundwater Samples of Panvel Area in Raigad District, Maharashtra, India, B.D. Aghav, *Anugoonj, Issue No. 04, 2014-2015, Page No. 11-15* (ISSN Number 2348-9731)
5. Impact of Heavy Metals on Environmental Pollution and Living Organism, B.D. Aghav, *Conference Proceeding: Environmental Hazards and Problems: Issues and Solutions, 2016, Page No. 103- 106* (ISBN Number 978-93-83342-26-6)
6. Study of the ternary complexes of Rare Earth with Schiff Base Derived From 4-Aminoantipyrine and some Amino Acids, B.D. Aghav, *SHODHANKAN, Special Issue III, January 2017, Page No.61-71* (ISSN-2250-0383)

4. Minor Research Project Completed:

Title of the project	Date of sanction	Duration	Grant received	Funding agency
Synthesis, Characterization and Biological Studies on Mixed Ligand Co (II) Complexes of Some Amino Acids	Date of Submission: 27/04/10	01 year	Rs. 30,000/-	University of Mumbai
Synthesis, Spectral characterization and Antimicrobial Studies of some ternary Cobalt (II) and Cerium (III) complexes with novel Schiff Base containing NOS donor and N/O donor ligands	Date of Sanction: 22/02/2012 Date of Submission: 30/12/14	02 year	Rs. 1,45,000/-	University Grants Commission

5. Patents:

Status	International
Granted	03

6. List of patents:

Title: A patent is published under Patent Co-operation Treats (P.C.T) on 'Process for the preparation of 2-amino-4, 5, 6, 7 tetrahydro-6-aminobenzothiazoles from cyclohexanes and cyclohexanones as intermediates'

Sr. No.	Patent Name	Patent Number	Date & Year of Publication	Date & Year of Grant of Patent
01	U.S. Patent	US 7868029 B2	18-05-2006	11-01-2011
02	Canadian Patent	CA 2498945 C	14-03-2005	08-11-2011
03	European Patent	EP 1542981 B1	22-07-2009	22-07-2009
04	World Intellectual Property Organization	WO 2004/026850 A1	01-04-2004	-----

7. Membership:

- Life Member, Indian Science Congress Association (ISCA)
- Life Member, Association of Chemistry Teachers (ACT)

8. Academic Staff College Orientation/Refresher courses attended:

Name of the Course	Place	Duration	Sponsoring Agency
Orientation Course	Academic Staff College, University of Mumbai, Mumbai	02/02/2007 to 03/03/2007	University Grants Commission (UGC)
Refresher Course	Academic Staff College, University of Mumbai, Mumbai	06/10/2008 to 25/10/2008	University Grants Commission (UGC)
Refresher Course	Academic Staff College, University of Mumbai, Mumbai	04/10/2010 to 23/10/2010	University Grants Commission (UGC)
Short Term Course	Academic Staff College, University of Mumbai, Mumbai	09/03/2015 to 14/03/2015	University Grants Commission (UGC)

9. Participation in conferences, symposia, seminars and workshops:

Level	Presented paper	Only attended
International	01	01
National	08	14
State	01	14
University	01	02

10. Conferences, symposia, seminars and workshops organized as convener/co-convener:

Level	Convener	Co-convener
National	----	02
College	02	----

11. Experience on the various committees at the college

- Member, Finance Committee (2019-20 to till date)
- Member, College Development Committee (2019-20 to till date)
- Invitee, Governing Body (2019-20 to till date)
- Member, Planning and Evaluation Committee (2019-20 to till date)
- Member, Library Committee (2012-13 to till date)
- Member, Prospectus Committee (2017-18 to till date)
- N.S.S. Programme Officer- 05 Years (Chief Programme Officer- 03 years & As a Member- 02 Years)
- Examination – 02 years as a Member
- In-charge, Students' Council & Students' Welfare – 09 years
- Member, Standing Committee- 03 years
- Member, Unfair Means Inquiry Committee- 01 year

12. Experience on the NAAC/ IQAC of the college

- Coordinator, IQAC (2019 to till date)
- Coordinator, Academic Audit Committee IQAC (2019 to till date)
- Member, IQAC (2012 to 2019)
- Chairperson, Criterion II-Teaching Learning and Evaluation (2013-2019)

13. Experience on the Various Committees at the University of Mumbai / Government

- N.S.S. Area coordinator of University of Mumbai for Raigad District for the year 2008-2009 & 2009-2010
- NAAC Taluka Coordinator for Panvel of Higher and Technical Education, Konkan Region, Government of Maharashtra- 2019-20

14. Awards/recognitions received :

Level	Title	Year	Awarding agency
University	The President Dr. Shankar Dayal Sharma Gold Medal	1998	University of Pune
	Best N.S.S. Programme Officer Award	2006-07 & 2007-08	University of Mumbai
	Recognized as a teacher for the M.Sc. Degree in Organic Chemistry (by Papers)	2008	University of Mumbai
	N.S.S. Area Coordinator	2008-09 & 2009- 10	University of Mumbai
	Recognized as a teacher for the M.Sc. Degree (By Research) in Organic Chemistry	2014	University of Mumbai
	Recognized Guide by University of Mumbai for Ph.D. in the Science in the subject of Chemistry	2017	University of Mumbai