BIO –DATA

1.	**NAME**	:	**AMARDIP MURLIDHAR PATIL**
2.	**DATE OF BIRTH**	:	2nd June 1982
3.	**INSTITUTION**	:	School of Chemical Sciences, Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon
4.	**PRESENT DESIGNATION**	:	Assistant Professor (Level 11) and I/C Head, Dept. of Physical Chemistry, School of Chemical Sciences, Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon
5.	**NATIONALITY**	:	Indian
6.	**EDUCATIONAL QUALIFICATION**	:	M.Sc., SET, NET.

Degree	University	Year of Passing	Class & % of Marks	Subject
B.Sc.	North Maharashtra University, Jalgaon	2004	I (76 %)	Chemistry
M.Sc.	University of Pune	2007	II (57.40 %)	Organic Chemistry
SET	University of Pune	2007	--	Chemical Sciences
NET	CSIR-UGC, Delhi	2007	JRF	Chemical Sciences
GATE	IIT, Mumbai	2007	--	Chemistry

1. EXPERIENCES :

I) TEACHING : 14 years

Sr. No.	Designation	Institution	Period From-To	Duration
1	Assistant Professor	Smt.G.G. Khadase College, Muktainagar, Tal: Muktainagar, Dist- Jalgaon	24/08/2007 To 13/06/2012	5 years
2	Assistant Professor	Institute of Sciences, Mumbai	14/06/2012 To 07/08/2012	1.5 month

3	Assistant Professor	North Maharashtra University	08/08/2012 Till	09 years

Subjects Taught:
Organic Chemistry, Analytical Chemistry, Physical Chemistry, Polymer Chemistry, Industrial Chemistry, Inorganic Chemistry

II) ALLIED:

Extension work, Co-curricular and extra-curricular activities carried out:

i)	Worked as **Co-ordinator** for activities conducted under **National Science Day celebration,** sponsored by **Science and Technology Cell, Government of Maharashtra**
ii)	Active participation in **Tree Plantation**.
iii)	Coordination of **Training and Placement Centre** at School of Chemical Sciences.
iv)	Coordination of **Student Welfare** at School of Chemical Sciences.
v)	Coordination of **Examination** at School of Chemical Sciences.

III) RESEARCH: 08 Years

A) Areas of research:

❖	Biodegradable polymers
❖	Organic Synthesis
❖	Dendrimers and Hyperbranched polymer synthesis and their various applications

2. RESEARCH PROJECTS:

Sr. No.	Title of the Project	Name of the Funding Agency	Amount (Rs. Lakhs)	Remarks
1.	Synthesis and characterization of electrochemical soil macronutrient (NPK) sensors and their feasibility study in Indian agriculture scenario	Rajiv Gandhi Science and Technology Commission, Kavayitri Bahinabai Chaudhari North Maharashtra University. Jalgaon, (MS), India, 425001	4lakhs (rupees)	ongoing
2.	Synthesis and Characterization of Glycopolymers	Kavayitri Bahinabai Chaudhari North Maharashtra University.	0.7 Lakhs (rupees)	Completed

		Jalgaon, (MS), India, 425001		

Sr.No.	Title of research paper	Journal	Impact Factor

3. Membership of Scientific Societies

- ❖ Life Membership of Society of Polymer Science(SPS) **LM. 318**
- ❖ Life Membership of Society for Materials Chemistry (SMC) **LM. 889**

Life Membership of Asian Polymer Association (APA),**LM. 459**

4. RESEARCH PUBLICATION:

Total : 11
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National : 04
International : 07
Reviews : 00
Book(Chapter): 00
……
Articles : 00
Patents : 00 (under Preparation)

	All	Since 2016
Citations	56	56
h-index	4	4
i10-index	1	1

1.	Synthesis and performance of bio-based hyperbranched polyol in polyurethane coatings Amardip M. Patil, Harishchandra D. Jirimalia, Ramanand Jagtap	Progress in Organic Coatings 149, 105895	5.161
2.	Fully Biobased Nanocomposites of Hyperbranched-Polyol and Hydroxyapatite in Coating Applications Amardip M. Patil, Harishchandra D. Jirimalia, Ramanand Jagtap	Journal of Polymers and the Environment 29, pages799–810 (2021)	3.667
3.	Study of coating performance of bio-based hyperbranched polyester polyol/graphene oxide composites in PU-coating Amardip M. Patil, Harishchandra D. Jirimali & Ramanand N. Jagtap	Journal of Macromolecular Science, Part A Pure and Applied Chemistry https://doi.org/10.1080/10601325.2020.1826330	2.168
4.	PU-coating performance of bio-based hyperbranched alkyd resin on mild steel and wood substrate Amardip M. Patil, & Ramanand N. Jagtap	Journal of Coatings Technology and Research 18 (3), 741-752	2.382
5.	Waste eggshell-derived calcium oxide and nanohydroxyapatite biomaterials for the preparation of LLDPE polymer nanocomposite and their thermomechanical study HD Jirimali, BC Chaudhari, JC Khanderay, SA Joshi, V Singh, AM Patil, ...	Polymer-Plastics Technology and Engineering 57 (8), 804-811	1.973
6.	Waste eggshells for the decoration of carbon nanotubes and graphene nanosheets with hydroxyapatite for preparation of LLDPE nanocomposites BC Chaudhari, J Khanderay, C Patil, AM Patil, SA Joshi, V Singh,	Journal of Polymers and the Environment 27 (11), 2352-2359	3.667
7.	Unprecedented exploration of ionic liquids as additives which astonishes the thermal stability of PVC formulations GR Gupta, MR Nevare, AM Patil, VV Gite	Bulletin of Materials Science 42 (5), 1-11	1.392
8.	Synthesis and characterization of bio-based polyester and polyamide from citric acid and mannitol AM Patil	Oriental Journal of Chemistry 34 (1), 538	Peer Reviewed
9.	Synthesis and anticorrosion study of bio-	Bulletin of Pure & Applied	Peer

	based polyurethane coatings AM Patil	Sciences-Chemistry 38 (1), 33-39	Reviewed
10.	Synthesis, characterizations and application of bisphenol-A based highly branched polyol in polyurethanes coatings AM Patil	Asian Journal of Research in Chemistry 11 (3), 593-598	Peer Reviewed
11.	Comparative study of Flame retardant and thermal properties of PVC/MMT and PVC/LDH nanocomposites Mahidra G.Sonawane2 Amardip M. Patil*1, Vikas.V.Gite1, Sanjana.S. Sharma1	International Journal of Innovative Research in Science, Engineering and Technology Volume 6 Issue 1 Pages 87-92	Peer Reviewed