

CURRICULUM VITAE



Name Dr. Panchali Batra

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ACADEMIC QUALIFICATIONS:

B.D.S.	Subharati Dental College, Meerut, U.P	2002
M.D.S.	J.S.S. Dental College and Hospital, Mysore, Karnataka	2008
I.B.O. (Board eligible)	Indian Board of Orthodontics	2009
M.orth(RCSEd)	Royal College of Surgeons, Edinburgh.	2010
FDSRCS(England) Fellowship Diploma	Royal College of Surgeons, England	2023

PROFESSIONAL EXPERIENCE:

JOB PROFILE	INSTITUTE	YEAR
Internship	Maulana Azad Institute of Dental Sciences-Delhi, India (Government of NCT-Delhi.)	2003
Junior residency	V.M.M.C& Safdarjung hospital- Delhi, India (Ministry of Health and Family Welfare, Govt.of India, New Delhi)	1.07.04 to 30.04.05
Senior residency	Maulana Azad Institute of Dental Sciences-Delhi,India(Government of NCT-Delhi.)	30.06.2008 to 9.05.2011 (2 Years, 10 Months, 1 Week, 2 Days)
Assistant Professor	Faculty of Dentistry, Jamia Millia Islamia (Central University)	10.05.2011 to 29.06.2013
Associate Professor	Faculty of Dentistry, Jamia Millia Islamia (Central University)	30.06.2013 to 29.06.2017
Professor	Faculty of Dentistry, Jamia Millia Islamia (Central University)	30.07.2017 till date

PAPER PUBLICATIONS:

2007-2008:

1. B.M. Shivalinga, Ravi S, Batra P. " Evaluating the bracket bases for their efficiency in bonding, After subjecting stainless steel P.E.A. Brackets to different Methods of clinical reconditioning.". J Ind Orthod Soc 2007;41(3):90-96. (ISSN:0301-5742)
2. B.M. Shivalinga, kiran HJ, Batra P.- Don't believe what you see in mouth, listen to the condyles – A case report - Indian Dentist Research and Review – Jan 2008;2(6):8-14. (ISSN:0973-7499)
3. B.M. Shivalinga, Ravi S, Batra P. Simple Chairside methods of orthodontic bracket reconditioning – Karnataka State Dental Journal – July 2008;27(3):100-

104. (ISSN:0973-3442)

2010-2011:

4. Batra P, Agrawal V, Kiran HJ, Madanagowda SB. Treatment of a patient with a bilateral cleft lip and palate with implants and surgery of the maxillary anterior region. World J Orthod. 2010 Winter; 11(4):380-6.(ISSN 2160-2999 (print) / ISSN 2160-3006 (online))

5. Batra P, Tripathi T, Rai P, Kanase A. Setting up of a photographic unit in an Orthodontic office : An overview. J Clin Orthod.2011 Oct; 45(10):569-78.(ISSN 0022-3875)

6. Batra P, Agrawal V, Kiran HJ, Madanagowda SB.Behandlung einer Patientin mit beiderseitiger Lippen-Kiefer-Gaumen-Spalte mittels Implantaten und Operation der Oberkieferfront. Kieferorthopädie.2011 Sep.;3 (11):199-206. ISSN 0945-7917

2013-2014:

7. Batra P, Kiran HJ. Tips for maintaining sterilization in your orthodontic work station. Int J Orthod . 2014 Summer; 25 (2): 21-30. ISSN- 1539-1450

8. Batra P, Ragini. The J-Molar Distalizer for Bodily Molar Movement. J Clin Orthod.2014 May; 48(5):314-17. .(ISSN 0022-3875)

9. Jyothikiran H ; Shantharaj R; Batra P; Subbiah P ; Lakshmi B; Kudagi V ., Total Recall: An Update On Orthodontic Wires. Int J orthod.2014; 25(3):39-48. ISSN- 1539-1450

2015-2016:

10. Batra P, Miglani R, Saalim M. A Novel Approach to Intrude Incisor by Removable Orthodontic Appliance. J Clin Stud Med Case Rep. 2015; 014(2):1-4.ISSN:2378-8801

11. Batra P. The punch clasp. IJRSI. 2016;3(4),14-16.**Impact Factor:2.08 ISSN: 2321 – 2705.**

12. Batra P, Miglani R. Antibacterial properties of retainers with silver nanoparticles. Am

J Orthod Dentofacial Orthop. 2016;150:208-9. **Impact Factor:1.69. ISSN: 0889-5406.**

13. Batra P, Mushtaq A, Mazumder J, Rizvi MS and Miglani R. Nanoparticles and their Applications in Orthodontics. Adv Dent & Oral Health. 2016; 2(2): 001-010.

14. Haque S, Batra P, Suhaib M. Stress analysis & reverse engineering on Adams and Punch Clasp: an orthodontic appliance. IJESRT.2016;5(7):897-902. (**Impact Factor:4.116). ISSN: 2277-9655.**

2017-2018:

15. Batra P. Eisenhower Box for Prioritising Waiting List of Orthodontic Patients. OHDM.2017:16(1)1-3. ISSN: 2247-2452. (**Impact factor: 1.23**)

16. Batra P, Pandey J, Miglani R. Association between attrition and physical, Psychological and sociodemographic variables. International Journal of Scientific Research.Aug 2017,6 (8)454-59. Issn No 2277 - 8179

17. Batra P, Daing A, Azam I, Miglani R, Bhardwaj A. The impact of altered gingival characteristics on smile esthetics-the laypersons perspective by Q-sort methodology. Am J Orthod Dentofacial Orthop 2018;154:82-90. **Impact Factor: 1.69**

18. Pandey J, Batra P. "Evaluating the Dental, Morphological and Psychological Variables in Patients with Dental Attrition." *Oral Health and Dentistry* 2.6 (2018): 506-515. ISSN: 2573-4989

19. Mazumder J,Khatoon N, Batra P, and Sardar M, Biosynthesized Silver Nanoparticles For Orthodontic Applications. Advanced Science, Engineering and Medicine 2018; 10, 1–5.

20. Batra P, Daing A, Azam I, Miglani R, Bhardwaj A. Is the quality of manipulated images adequate? Response. Am J Orthod Dentofacial Orthop 2018;154:6,755-755.

2019-2020:

21. Batra P, Saini P, Yadav V. Oral Health concerns in India. *J Oral Biol Craniofac Res.* 2020; 10 :171–174.
22. Pandey J, Kaur H, Izhar A, Batra P. Patient Preferences for Dental Clinical Attire, Hairdo and Infection Control Measures: A Cross Sectional Survey. *Int J Cur Res Rev.* Vol. 2020 Jun;12(11):1.
23. Batra P and Miglani S. Best Practises for Dental Clinics during Covid-19: Guidelines for Practitioners. *J Dental Sci* 2020, 5(3): 000258.
24. Batra P, Dawar A, Miglani S. Microneedles and Nanopatches-Based Delivery Devices in Dentistry. *Discoveries (Craiova).* 2020 Sep 30;8(3):e116. doi: 10.15190/d.2020.13. PMID: 33094150; PMCID: PMC7561465.

2021-2022:

25. Tagra H, Batra P. Dentistry 4.0: A Whole New Paradigm. *Discoveries Reports*, 2021; 4: e19. DOI: 10.15190/drep.2021.4
26. Izhar A, Batra P, Miglani S. Diagnostic Tools For Early Diagnosis Of White Spot Lesions. *European Journal of Molecular & Clinical Medicine.* 2021;8(2):690-695
27. Datta S, Batra P, Raza U, Premchandani S, Sybil D. Evidence based teledentistry: a systematic review of literature on smartphone apps. *Int J Adv Med.* 2021 Nov;8(11):1729-1738
28. Batra P, Kaur H, Dawar A, Mehta V. The threshold of acceptability of excessive gingival display by laypersons: a systematic review. *Int J Esthet Dent.* 2022 May 25;(2):216-235. PMID: 35587001.
29. Sharma N, Kannan S, Arora N, Singh AK, Malhotra A, Batra P. Comparison between orthodontist, general dentist, and layperson in the perception of pink esthetics on smile: A cross-sectional study. *APOS Trends Orthod* 2022;12:176-86.doi: 10.25259/APOS_9_2022

30. Batra P, Sybil D, Izhar A, Batra P, Thiruvengkatachari B. Standard of Care for Patients With Cleft Lip and Palate in India—A Questionnaire-Based Study. *The Cleft Palate-Craniofacial Journal*. January 2022. doi:10.1177/10556656221074212(Impact factor 1.43)
31. Batra P, Agarwal I, Katyal S. Anterior crossbite correction using a removable orthodontic appliance: a case report. *MOJ Clin Med Case Rep*. 2022;12(1):1–3. DOI: 10.15406/mojcr.2022.12.00406
32. Batra P, Tagra H, Katyal S. Artificial Intelligence in Teledentistry. *Discoveries*. 2022 Jul;10(3).

2023-24:

33. Katyal S, Mohanty S, Miglani S, Batra P. Management of a Rare Tessier 30 Median Mandibular Cleft Anomaly: A Comprehensive Review. *International Journal of Clinical Pediatric Dentistry*. 2023 Nov;16(6):875.
34. Thiruvengkatachari B, Prathap M, Jauhar P, Batra P, Shetty P, Subash P. A Survey on Alveolar Bone Grafting in Indian Cleft Centers. *Cleft Palate Craniofac J*. 2023 Sep 16:10556656231201491. doi: 10.1177/10556656231201491. Epub ahead of print. PMID: 37715652.
35. Sybil, Deborah & Shrivastava, Priyanshu & Rai, Arpita & Singh, Sanjay & Jain, Ashish & Mahuli, Amit & Parushetti, Anita & Sharma, Anka & Sivakumar, Arvind & Narang, Bindiya & Sultan, Farheen & Shah, Gaurav & Sridharan, Gokul & Augustine, Jeyaseelan & Ranjan, Madhu & Singh, Neelam & Mehta, Nishant & Sultan, Nishat & Batra, Panchali. Performance of ChatGPT in Dentistry: Multi-specialty and multi-centric study. *Brazilian Journal of Oral Sciences* 2023.

36. Thiruvengkatachari B, Sivakumar P, Ananth S, Sabbagh Y, Lewis BRK, Chadwick SM, Kaliyaperumal GS, Batra P. The impact of COVID-19 pandemic on orthodontic services and trainees' mental health in India. *Front Med (Lausanne)*. 2023 Sep 1;10:1220505. doi: 10.3389/fmed.2023.1220505. PMID: 37724176; PMCID: PMC10505436.

2025-2026:

37. Dua K, Miglani S, Katyal S, Batra P. Assessment of structural and functional profile of dental centers for people with disabilities. *Spec Care Dentist*. 2025 Jan-Feb;45(1):e13071. doi: 10.1111/scd.13071. Epub 2024 Oct 18. PMID: 39425263.

BOOK CHAPTER:

Contributed chapter 5 Page no.81-105 on “Application of Nanoparticles in Orthodontics” in a book titled "Dental Applications of Nanotechnology" published by Springer in 2018. Editor: Ramesh Chaugule. ISBN Number: 978-3-319-97633-4

BOOKS:

1. Editor of Book titled: “The Cleft Care Framework in India: A CCIS Report”, Publisher: Springer Nature, ISBN Number: **9789819989676**
2. Editor of Book: Comprehensive Management of Facial asymmetry”, publisher: CADPLAN publisher and distributors, ISBN: 978-81-957174-1-5, Edition:2023

CO-GUIDE IN THE FOLLOWING THESIS:

1. Stress analysis & reverse engineering on Adams and Punch Clasp: an orthodontic appliance conducted by Haque S in the mechanical engineering department of Jamia Millia Islamia.

2. Comparative evaluation of altered gingival characteristics on smile esthetics amongst laypersons, dentists and orthodontists conducted by Nivedita Sharma in 2019 at Manav Rachna Dental College.

PAPER PRESENTATIONS:

1. Use of Nickel Titanium Palatal expander in cleft palate patients-case reports, in AIIMS convention in Feb.2007.
2. Bilateral cleft lip and palate treated with implants & premaxillary osteotomy-a case report at Rhinorth - workshop on nasal and facial deformities in cleft lip and palate, New Delhi in November 2009.
3. Smile Characteristics Of Patients With Unilateral Cleft Lip And Palate-A Quantitative Photographic Analysis at Indocleftcon2010 at AIIMS, New Delhi
4. Skeletal and Dental effects of Twin block appliance in class II Div. 1 adult patients-A prospective cephalometric study.-22nd 25th Sep.2011 at Khjuraho.
5. “Artificial Intelligence- A new paradigm in need based research for diagnosis and treatment planning” at 26TH ISDR Conference, India Habitat Centre, New Delhi-3rd to 6th Oct.2013.
6. Presentation on “Development of a new antimicrobial chemically cured resin with biologically synthesized silver nanoparticles” on 28/11/2017 at ISDR 2017 Delhi
7. Presentation on “Oral health Concerns in India” in JTACON 2020 organised by Jamia teachers Association, at JMI, New Delhi on 16-18th Feb.2020.

GUEST SPEAKER:

1. Talk on “Implements on a healthy smile” on 26TH Dec.2012 in a scientific session organized by IDA, Colgate at Jamia Millia Islamia.
2. Guest lecture on “A-Z of M.orth” at 18th IOS PG student convention from 27th Feb. to 2nd March 2014 at Subharti Dental College, Meerut.
3. Guest lecture on “Prospects of post graduates abroad after MDS” at 21st IOS PG student convention from 16th Feb. to 19th Feb.2017 at Faculty of Dental Sciences, IMS, BHU.

4. Guest lecture on “Tricks with removable appliances” in ORTHO PATHSAHALA a workshop for Undergraduates, on 11th May 2017 at Manav Rachna Dental College, Faridabad.
5. Guest lecture on “Application of biosynthesized silver nanoparticles in orthodontic removable appliances” at 52nd IOC Jaipur, on 17th Nov. 2017.
6. Guest lecture on “Orthodontic triage and treating minor malocclusions with the removable appliance” at IDS Bareilly on 15th May 2018.
7. Guest Lecture on: Applications of Nanotechnology in Orthodontics at 53rd IOC Kochi, Kerala held from 07.12.2018 to 9.12.2019
8. Guest lecture on” Qualitative Research And Scientific Writing” in the Teachers training program organized by Indian Orthodontic Society on 2nd Feb.2019 at Udaipur.
9. Guest lecture on “Exploring the field of Nanotechnology for applications in Orthodontics” at National PG convention, IOS held at ITS dental college, Greater Noida on 24th February, 2019.
10. Guest lecture on “Cleft Care India Study” at Indocleftcon 2020, 19th Annual Conference Of Indian Society Of Cleft Lip, Palate And Craniofacial Anomalies, 7th-9th February 2020,New Delhi.
11. Guest lecture on “How to execute nano research-an insight into the requisite collaborations” at 54th IOC, Amritsar on 25th Sep 2021.
12. Keynote speaker on “Limited Corrective Orthodontics” at the 42nd National conference of the Indian society of Pedodontics and preventive dentistry (ISPPD,Virtual) , PED'O'DISHA 2021 , Bhubaneswar on 25th Nov.2021.
13. Panelist in a panel discussion on “Research in Cleft” at IndocleftCon2023 organised at Belgavi from 16-18March2023
14. Keynote speaker on “Limited Corrective Orthodontics” in a day-long program “Orthopathshala” at PGI Rohtak on 29.08.2024
15. Guest Lecture on “Limited Corrective Orthodontics” on Indian Orthodontist Day at ITS Muradnagarat on 05.10.2024
16. Guest lecture on” How to write a Grant proposal for funding: step by step guide at Subharti Dental College, Meerut on 4.12.2024

RISING STAR SESSION:

Presentation on “Development of a new antimicrobial chemically cured resin with biologically synthesized silver nanoparticles” on 28/11/2017 at ISDR 2017 Delhi

POSTER PRESENTATIONS:

1. “Impacted Canine –The Cinderella of Dentistry”, at 40th I.O.S. Conference in Chandigarh, Nov.2005
2. “Deprogramming splint-A case report”, at 11th I.O.S. Convention at AIIMS, Delhi, Feb.2007.
3. Artificial intelligence- A new paradigm in orthodontics. 8TH APOC 2012, New Delhi from 29TH NOV-2ND DEC.2012.
4. Poster Presentation on” Centralised or Decentralised model for Cleft Care in India-Let’s get together and MAP it under CCIS” at IndocleftCon2023 organised at Belgavi from 16-18March.

EDITORIAL BOARD MEMBER:

1. Frontiers in dentistry
2. Juniper Online Journal of Case Studies (JOJCS)
3. Journal of syndromes and gene repair.
4. EC Dental Science journal.
5. Open Access Journal of Dental Sciences
6. Journal of Pediatric Care Insight
7. Journal of dentistry oral health and preventive measures

REVIEWER IN ESTEEMED JOURNALS:

1. Cleft palate and craniofacial journal
2. American journal of orthodontics and Dentofacial orthopaedics
3. Journal of Otolaryngology and Rhinology.
4. Progress in orthodontics.
5. Angle Orthodontics
6. Journal of Oral Biology and craniofacial research
7. Journal of Oral Microbiology
8. Nanoscience and Nanotechnology Letters

MANUSCRIPTS REVIEWED FROM JUNE 2022 ONWARDS:

1. Overbite recognition and factors affecting esthetic tolerance among Laypeople-Angle orthodontics.
2. Synthesis of coatings on SBF in presence of Ag nanoparticles on NiTi archwires-
Nanoscience and Nanotechnology Letters
3. A comparative evaluation of the effect of different methods of recycling on the shear bond strength (sbs) of ceramic brackets - an in-vitro study-JIOS ,Feb2023.
4. A preliminary study on clinical profiles of non-syndromic cleft lip with or without cleft palate during community services in Indonesia 2020-2022, Clinical, Cosmetic and Investigational Dentistry, May 2023.
5. Neonatal Riga-Fede Disease A Systematic Review of 84 Cases collected over 120 years, Journal Indian Pediatrics, July 2023.
6. Orthodontic canine distraction with and without distal interproximal bone cuts in Egyptian patients-National Journal of Maxillofacial Surgery, April 2024

Question paper setter for the following since 2022:

1. Orthodontic undergraduate final year question paper for GGS IP University-July 2022.
2. Orthodontic undergraduate final year question paper for Manav Rachna International
Institute of
Research and Studies
3. Orthodontic undergraduate final year question paper for Pt.B.D. Sharma University of
Health
Sciences, Rohtak
4. Question paper setting for Jharkand Public Service Commission, July 2023

COURSES AND CONFERENCES ORGANISED:

1. Workshop and live demonstration on orthognathic surgery, Sep.2008, Kalka dental college, Meerut.
2. Rhinorth-workshop and live demonstration on nasal and facial deformities in Cleft lip and palate, Nov.2009, New Delhi.
3. Annual Insight into orthodontic post graduate examination, at Jamia Millia Islamia, New Delhi from 2012 till 2019.
4. 47th IOC and 12TH APOC , Dec.2012 at New Delhi.
 5. Organizing Secretary for the North Zonal Orthodontic PG Convention, at Jamia Millia Islamia from 27-19th Sep.2019.
 6. Organized the first workshop on standardized data collection and record maintenance at Jamia Millia Islamia on 7th Dec.2019 under the SPARC project by MHRD. [ID: 1025]
 7. Organized an online workshop on speech assessment in cleft patients on 12th Jan.2021 under the SPARC project by MHRD. [ID: 1025]
 8. Organized an online workshop on “Indulging in dental research: Interactive international webinar” on 22th Jan.2021 under the SPARC project by MHRD. [ID: 1025]
 9. Organized an online workshop on “A systematic approach to question paper setting” on 27th March 2021.
 10. Scientific chairperson for IOS scientific calendar event on “Art and science of crafting standout research in Orthodontics” on 2nd and 3rd Dec.2022 at JMI.
 11. Organized the second workshop on “Developing an Interdisciplinary Cleft Care Network system” at Jamia Millia Islamia on 6th March.2023 under the SPARC project by MHRD. [ID: 1025]
 12. Organized an ICMR sponsored workshop on “Correcting facial asymmetries” on 3rd and 4th May 2023 at JMI.
 13. Organized a dental screening camp for athletes of Special Olympics representing India in world Special Olympics at Berlin, Germany 2023 on 25/5/2023.
 14. Scientific chairperson for the Midterm CME of ISCLP&CA, organized at Hindu Rao Hospital on 2nd and 3rd Sep 2023.

MEDIA COVERAGE OF EVENTS:

1. **September 25, 2019:** Jamia to hold North-Zone Orthodontic PG Convention with a panel discussion on career opportunities in India and abroad, Beyond headlines, India
2. **Sep 26, 2019 :** Jamia to hold discussion on career opportunities in India and abroad- Education Today, India Today
3. **Dec 11, 2019 :** Jamia Millia Islamia organises MHRD-SPARC workshop as part of project on cleft lip patients, Education Today, India Today
4. **December 11, 2019:** JMI organises MHRD-SPARC workshop as part of project on cleft lip patients, rissadairy.com
5. **December 11, 2019:** Jamia Millia Islamia organises MHRD-SPARC workshop as part of project on cleft lip patients - Education Today, India Today
6. **March 11th, 2023:** Legends of cleft care attends workshop at JMI, Eduadvice
7. **10th May 2023:** JMI organizes ICMR sponsored workshop on correcting facial asymmetry, shah times and Inkalab bharat.

COURSES AND CONFERENCES CONDUCTED:

1. Course Coordinator for ORTHO PATHSAHALA a workshop for Undergraduates, on 11th May 2017 at Manav Rachna Dental College, Faridabad.
2. Pre-Convention Course organized on Art of Scientific Writing at the 22nd IOS PG Convention on 15th to 18th Feb 2018 held at DY Patil, Navi Mumbai on 15th to 18th Feb 2018.
3. Pre Convention Course organized on Art of Scientific Writing at the 1st IACDE North Zonal Conference held at ITS Dental College, Hospital and research centre, Greater Noida(UP) on 20-22th Sep. 2018.
4. Conducted a course as chief resource faculty for PG's on "myofunctional appliances in orthodontics" at AIIMS Jodhpur from 15-16th March 2019.
5. Conducted a pre-conference course on "Limited Corrective Orthodontics" at 2nd Congress of South Association of Pediatric dentistry (SAAPD) and 3rd Annual Conference of Nepalese Association of Pediatric Dentistry (NAPD) Kathmandu, Nepal on 4th April 2019.

6. Conducted a Pre-convention Hands on training on “Problem Based Learning” at 24th IOS PG convention at Hyderabad on 20th Feb.2020.
7. Conducted a CDE workshop on Art of Scientific Writing at DJ Dental college on 27th Sep.2021.
8. Conducted a CDE workshop on Art of Scientific Writing at Mahatma Gandhi Dental College on 13thNov.2021. (no. of participants-80)
9. Conducted a Pre-convention Hands on training on “Problem Based Learning” at 25th IOS PG convention at Manglore on 28th April 2022.
10. Conducted a Pre-convention Hands on training on “Problem Based Learning” at 26th IOS PG convention at Lucknow on 16th Feb 2023.
11. "QUIZMASTER” at the 26th IOS National PG Convention, Lucknow on 16th Feb 2023
12. Conducted a Pre-conference Hands on training on “Problem Based Learning” at 57th IOC on 14th Sep 2023 at Meerut, UP
13. Conducted a Pre-convention Hands on training on “Problem Based Learning” at 27th IOS PG convention held at Terna Dental College, Mumbai on 8th Feb 2024.

AWARDS:

- ❖ Best paper presentation award at Rhinorth-workshop and live demonstration on nasal and facial deformities in cleft lip and palate at Delhi in Nov.2009.
- ❖ Won the prestigious **George Jacobs award for clinical innovation** in 2015 at 50th IOC at Hyderabad for inventing J molar Distalizer.
- ❖ Won the prestigious **Life member Research award** for developing a new antimicrobial resin with silver nanoparticles at 52nd IOC Jaipur in 2017.
- ❖ Awarded the prestigious **National Academy of Medical sciences (NAMS)** Membership in Nov.2021.
- ❖ Awarded the prestigious Fellowship Diploma of Faculty of Dental Surgery, Royal College of Surgeons, England, July 2023.

Patents:

1. Patent number 202311045221A titled “A clipping plier for dental aligners” published on /9/2/2024 by Indian patent office.
2. Patent number 6357634 titled “Combined cheek, lip and flap retractor” published on 16//4/2024 by UK patent office.

3. Patent number 6357633 titled “Bilateral Jaw opener with adjustable arm” published on 16//4/2024 by UK patent office.

ONGOING RESEARCH WORK:

1. Comparison of the Effectiveness of Protraction facemask and 2x4 Fixed Appliance for the Early treatment of Class III patients. A Randomized Controlled Trial. ongoing multicentric project.
2. RCT on Twin Block Versus Forsus Fixed Functional Appliance in Class II Div.1 Patients. Registered in Clinicaltrials.Gov and Published on April 2015.-ongoing
3. “Patients and parents expectations of orthodontic treatment in different clinical settings in India”-ongoing multicentric project.

FUNDED RESEARCH PROJECTS (ongoing):

1. “Evaluation of cleft care outcomes of non-syndromic unilateral cleft lip and palate (UCLP) patients at ages 5, 12 and 20 across India: The Cleft Care India Study.” ID: 1025

Grant Received: 40 lakhs

Funding agency: MHRD SPARC- IIT Kharagpur (Scheme for Promotion of Academic and Research Collaboration by Ministry of Human Resource Development, Government of India)

Duration of Project: 2 years

Date of Sanction: 03.05.2019, Role: PI

2. “Evaluation of cleft care outcomes of non-syndromic unilateral cleft lip and palate (UCLP) patients at ages 5, 12 and 20 across India: The Cleft Care India Study.” ID: 1025

Grant Received: 12.5 lakhs,

Funding agency: UKIERI under SPARC- IIT Kharagpur.

Duration of Project: 2 years

Date of Sanction: 02.07.2019, Role: PI

3. “Comparison of effectiveness of Fluoride varnish and fluoride releasing adhesives in prevention and management of mutibracket induced white spot lesions: A Randomized Controlled Trial” Id no.2019-5219 funded by ICMR.

Grant Received: 24 lakhs

Funding agency: ICMR (SRF scheme)

Duration of Project: 3 years (25.07.2019 to 25.07.2022)

Date of Sanction: 25.07.2019, Role: Co-PI

4. “Oral health related quality of life, clinical and radiographic outcomes in patients undergoing canine disimpaction- A Randomised Control Trial.” Registered in Clinicaltrials.Gov and funded by CSIR.[Id-13(9215-A)/2022-Pool]

Grant Received: 37,84,000/-

Funding agency: CSIR (SRA scheme)

Duration of Project: 3 years (5.01.2022 to 5.01.2025)

Date of Sanction: 25.07.2019, Role: PI

5. Indian Council of medical Research (ICMR) project titled “Evaluation of structure and work process profile of tertiary care centers in Delhi to provide specialized dental care for people with disabilities.” Under STS-2022. (Reference Id: 2022-02795)

Grant Received: 30,000

Funding agency: ICMR (STS scheme)Id: 2022-02795

Duration of Project: 3 months

Date of Sanction: May2022 Role: Guide

COMPLETED RESEARCH PROJECT:

1. Indian Council of medical Research (ICMR) project titled “Evaluating the Dental, morphological and psychological variables in patients with Dental attrition.” Under STS-2015. (Reference Id: 2015-06956) successfully submitted to ICMR on 15th OCT 2015.

Grant Received: 30,000, Funding agency: ICMR (STS scheme), Duration of Project: 3 months, Date of Sanction: June 2015 Role: Guide

INOVATIONS:

1. Invented a new molar distalizer and named it after our institute-**J molar distalizer** (Jamia molar distalizer)

[Batra P, Ragini. The J-Molar Distalizer for Bodily Molar Movement. J Clin Orthod.2014 May; 48(5):314-17.]

2. Invented a new clasp for removable appliance- The Punch clasp.

[Batra P. The punch clasp. IJRSI. 2016;3(4),14-16.]

3. Invented a new antimicrobial resin with biologically derived silver nanoparticles.

[Mazumder J,Khatoon N, Batra P, and Sardar M, Biosynthesized Silver Nanoparticles For Orthodontic Applications. Advanced Science, Engineering and Medicine 2018; 10, 1–5.]

Funded workshops:

1. Organized an ICMR sponsored workshop on “Correcting facial asymmetries” on 3rd and 4th May 2023 at JMI.

Grant received: 5,96,000 (Letter No.3/1/3/Clinical Training/IH&HRD/2023(17) dated 23.02.23)

RESEARCH INTERSTS:

- ❖ Nanoparticles
- ❖ Palatal canine impactions

- ❖ Class II malocclusion
- ❖ Cleft lip and palate

ACADEMIC, ADMINISTRATIVE AND CLINICAL CONTRIBUTION:

- ❖ Guided many students and won awards for poster and paper presentation at national conferences.
- ❖ Chaired scientific sessions at various platforms.
- ❖ Invited to set U.G. Paper for various universities.
- ❖ External examiner for B.D.S. exam at various dental institutes.
- ❖ Contributed to question bank, moderator for National Board of Examination.
- ❖ Validated question bank in National Board of Examination at several occasions.
- ❖ Co guide for various PG thesis.
- ❖ Guided UG student under STS-2015. (Reference Id: 2015-06956) for ICMR project titled “Evaluating the Dental, morphological and psychological variables in patients with Dental attrition.” successfully submitted to ICMR on 15th OCT 2015.
- ❖ Judge at Competitive Poster presentation at ESIC Dental College and Hospital, Rohini on 12th April 2019.
- ❖ Subject expert nominated by Centre for Dental Education and Research (CDER), AIIMS, New Delhi and Ministry of Health and Family Welfare, Govt of India for the Workshop on National Level Oral and Dental Disease Burden Survey in India held on 12th July 2019 (Friday) CDER, AIIMS, New Delhi
- ❖ Judge for Student (PG) Paper on 22nd January 2022 for DENTOCON 2 - Advances in Holistic Dental Care (Online Dental conference)

- ❖ Member of selection committee panel to evaluate funding applicants at Bharath institute of Higher education (BIHER) for grant under BIHER - research & development fund (BIHER- RDF) for research projects / schemes on 21/2/2022.
- ❖ Deputed as Assistant clinical Director for screening special children at Special Olympics on 5th and 7th April 2022.
- ❖ Attended a workshop on Validation of Question Banking at MDS Entrance Level on 14th and 15th April 2022 at National board of examination.
- ❖ External Examiner to conduct BDS IVth year orthodontics examination at IDST Feb 2023
- ❖ Subject Expert for UP-PSC Jan 23
- ❖ Vice Chancellors nominee to interview and provisional registration in Phd program in Art Education for academic session 2022-23
- ❖ Appointed as coordinator for class XI Arts admission test session 2022-23
- ❖ Expert Member in the Selection Board for selection of Associate Professor (Orthodontics) on 29/11/2023 in ESIC Faridabad.
- ❖ Expert in the interview panel of U.P. Public Service Commission, Prayagraj from 29.11.23 to 02.12.23
- ❖ Expert in National Board of Examination item writing workshop on 11th March 2024
- ❖ Papper Setter for Annual BDS IVth year orthodontics examination at Manav Rachna Dental college on March 2024
- ❖ NBEMS Appraiser for conduct of MDS 2024 Exam
- ❖ Appointment as assessor for inspection at Atal Bihari Vajpayee Medical University, U.P., Lucknow on 7th and 8th Aug.2024.

- ❖ Expert for the evaluation of the DHR-ICMR post-graduate (MD/DM/MS/MCh/DNB/DrNB/MDS) thesis support program 2024
- ❖ Judge at 46th IDA UP State Dental Conference 2024.

CONTINUING DENTAL EDUCATION:

1. **“Writing in the Sciences”** course by Stanford University (online), accomplished December 2017.
2. **“Strengthening Community Health Worker Programs”** course by Harvard Medical School (online), Harvard University, accomplished April 2020.
3. Online Training Workshop on **Ethics for Research** held on 7th March 2022.
4. High-end Training Workshop on **“Digital Orthodontics: From basics to beyond”** 22-27, September 2022 conducted by Centre for Dental Education and Research (CDER), All India Institute of Medical Sciences (AIIMS), New Delhi.
5. Attended workshop on **“A to Z of Nasoalveolar Moulding”** at Centre of Dental Education and Research, AIIMS, New Delhi on 1st and 2nd April 2023.
6. Attended a workshop on **“Ethics for research Involving Human Participants”** on 12th November 2024 at FOD, JMI, New Delhi.

MEMBER OF:

1. Indian Orthodontic Society-LM1815
2. Indian Society for Dental Research (ISDR)- LM 1325
3. World Federation of Orthodontics-14340538
4. Royal college of surgeons of Edinburgh-79502
5. National Academy of Medical Sciences- M/74-Dent/2020/NAMS/
6. Member Federation of special care dentistry-Reg. No. : L0094

7. Board member of specialty board for Cleft & Craniofacial Anomalies (CCA) of Federation of Special Care Dentistry

Fellowship diploma:

Faculty of Dental Surgery, Royal College of Surgeons, England (Membership no: 9370163)