

DR RAJAN K MAHINDRA

BDS MDS

Head of the Department, Department of Orthodontics and Dentofacial Orthopaedics,

Govt. Dental College and Hospital

Aurangabad ,Maharashtra, India

Email:rmahindra2007@gmail.com

Telephone: +918329420070

Home address: Sector N-5/ F-41 Cidco, Aurangabad

Maharashtra -431003.

Office Address: Govt. Dental College and Hospital

Aurangabad- 641001

Maharashtra, India

Date of birth: 7-07-1964

Marital status: Married

Nationality: Indian

Gender: Male

Curriculum vitae summary:

Dr. Rajan K Mahindra completed his BDS from Govt. Dental college & Hospital and MDS in the subject of Orthodontics and Dentofacial Orthopedics in the Govt. Dental college, Nagpur.

He is receipt of “A V Arun Outstanding Professor Award” for the year of 2023 at 57TH IOC Meerut..

He has many publications to his credit in various national and international journals of Orthodontics and has been a guest speaker in various National conferences.

He is currently working as professor & Head of the department of Orthodontics and Dentofacial orthodontics, Govt. Dental college and hospital, Aurangabad.

He has been appointed as a Ph.D thesis evaluator and external referee for open defence viva-voce at Wardha (DMIHER)

He has been guest speaker in National Orthodontic conference and convention and also in various reginal meets.

He owns a patent for a mouth mirror with flexible head UK patent Oct 2023, certificate of registration for a UK design.

Employment history

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| --- | --- | --- | --- | --- |
| Position | Name of the institution | From | To | Total Experience |
| Tutor |  |  |  | N/A |
| Lecturer/Asst. professor(DSB) | GDC Aurangabad | 22/02/1991 | 23/05/1993 | 2 years 3 months |
| Lecturer (MPSC) | GDC Aurangabad | 24/05/1993 | 30/11/1995 | 2 years 6 months |
| Reader/Associate professor(Additional charge) | GDC Aurangabad | 01/12/1995 | 06/05/2003 | 7 years 6 months |
| Asso.prof(Ad hoc) | GDC Aurangabad | 07/05/2003 | 20/04/2010 | 6 years 11 months |
| Asso.prof (MPSC) | GDC Aurangabad | 21/04/2010 | Till 2016 | 6 years 8 months |
| Prof & head ( Addl charge) | GDC Aurangabad | 17/05/2010 | Till 2016 | 6 years 7 months |
| Professor (Ad hoc) | GDC Aurangabad | 24/06/2016 | 26/10/2021 | 5 years 4 months |
| Professor (Regular) | GDC Aurangabad | 27/10/2021 | Till date | 1 year 3 months |

Educational skills:

Master of dental surgery

Orthodontics and dentofacial orthopedics

Govt. Dental college and hospital

Aurangabad

Bachelor of Dental surgery

Govt. Dental college and Hospital

Nagpur

Clinical skills:

Comprehensive orthodontic treatment , preventive and interceptive orthodontics, aligner therapy.

Academic skills:

Contributed for uplifting the teaching, learning methodology

Awarded “A V Arun Outstanding Professor Award” for the year of 2023 at 57TH IOC Meerut.

Administrative skills:

Handled department as HOD for 28 years and contributed towards uplifting the Department of orthodontics.

Honours and Rewards:

Awarded “A V Arun Outstanding Professor Award” for the year of 2023 at 57TH IOC Meerut.

Leadership and organisational experience:

1. NAAC Member CSMSS college 9th February 2023
2. Dental Council Representative CSSMS

9 July 2021

PATENT

Mouth mirror with flexible head UK patent oct 2023

PUBLICATIONS:

|  |  |  |
| --- | --- | --- |
| S.NO | Title of the article | Journal details |
| 1 | A comparative study of Bond strength of glass lonomer cements with composite resins. Mode of Failure after debonding and a study of enamel surface using scanning electron microscope. | JIOS Journal of Indian Orthodontic Society in 1991 |
| 2 | DMER Financed Research Project: Effects of fixed orthodontic treatment on gingival health: An observational study. Project completed in 2013-14 | IJADS Sciences. 2017;3(3):156-161. 15 Rajan K Mahindra |
| 3 | Effective TMJ Growth changes with Twin Block | WJO |
| 4 | Treatment of Ankylosed Incisors Using Modified Hyrax with Distraction Osteogenesis and Floating Bone Concept: Article Published in Journal of The World federation of Orthodontics | WJO U H doshi et al /2 (2013), a-31-a-36  15 |
| 5 | Comparison of Load Deflection Characteristics of esthetic and Metal orthodontic Wires on Ceramic Brackets using Three Point Bending Test. | JIOS JIOS (National Journal). |
| 6 | Gummy Smile: Go the botox way | IOSR (Journal of dental and medical 7.5 sciences (OSR-JDMS) vol 14, ISSUE 12 VER. I Dec 2015. |
| 7 | BIOMARKERS: ISSUES OF SMALL TISSUES: International journal of information research and review. | IJODR Vol 03, issue 11, pp. 3036-3042, 7.5 November 2016.  Ecronicon: ec pulmonology and respiratory 10 medicine. Volume 4 issue 1 june 2017 |
| 8 | Dentofacial Research in Obstructive Sleep Apnea: | Ecronicon: ec pulmonology and respiratory 10 medicine. Volume 4 issue 1 june 2017 |
| 9 | Applicability of Moyer's mixed dentition analysis in Indian Journal of Orthodontics and 10 Maharashtrian children of India. | Indian Journal of orthodontics and Dentofacial Research July-September 2017;3(3):163-167 |
| 10 | Platelet rich fibrin in dentistry – A review article | International Journal of Dental Science and Innovative Research vol 6 Issue 3 Page n0 235 - 242 |

**2022 - 2023**

1. JIOS Simplified appliance for lip biting 7 June 2023
2. Chapter contributor - Recent trends and advances in dental business world after Covid 19
3. Publication- Platelet rich fibrin in dentistry- Review International Journal of Dental Science & Innovative Research( IJDSIR ) 2023
4. AI powered precision – Evaluating accuracy of webceph and Oneceph for cephalometric tracing Journal of Xiadian University Vol 17 Issue 9,2023(scopus)
5. Effect of local administration of vitamin D3 on canine Distalization : A systematic review – Journal of Xiadian University.An UGC CARE approved group 2 journal

CONFERENCE/WORKSHOP/SYMPOSIUM DETAILS:

Guest lecture:

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| --- | --- | --- |
| Regional | National | Total |
| - | 2 | 2 |

WORKSHOPS CONDUCTED:

1. Self ligating symposium

1st August 2022 Dr. Sanjay Labh

1. Damon symposium with Ormco

2 July 2023

SCIENTIFIC PAPERS PRESENTED/ GUEST LECTURES:

**1**) 57th IOC Meerut

Class III malocclusion:- Non-surgical management

**2)** 56th IOC

Accelerated orthodontics- present status

**3**) Orthodontic Innovation Enclave 13 July 2022

**4)** Speaker- Rapid Revision class MUHS

20 June 2020

**5)** At RDC Loni -Class III Nov 2023

**6)** AtRDC Loni -Research present status

**7)** Speaker- Orthodontic Innovation Condare 2023

CONFERENCE/CONVENTION ATTENDED:

56th IOC conference Pune 2023

57th IOC conference Meerut

OTHERS:

1. Attended Aligner course Damon

2. Attended course on Basic Life Support 7 May 2022

3. Attended Subject-expert for staff selection and NACC inspection CSMSS Dental College

4. Attended course by NIEUT-Information Communication Technology

5. Attended IOS Course – 3D/AI/Software march 2023

6. Attended course- Essential of Orthognathic surgery conference 2023

7. Attended ROAR – 2021-IOS

8. Attended National symposium on MDS Exams – Orthodontic finish line 2020 JAN 2020

9. Attended DCI Lecture by DR .Sandesh Mayekar

10. Appointed peer team reviewer for indexed journal of Bharati Vidyapeeth Pune

11. Appointed as Ph.D Thesis Evaluator and external referee for

Open Defence viva-voce DMIHER Wardha

12. . MUHS inspection, UG, PG, Enquiry Committee at Solapur Dental (Chairman L.I.C.)

Academic acheivements:

Guest lectures: 07

National Conference attended:03

Other conferences attended :09

**RESEARCH COMPLETED AND PUBLISHED BY DR. RAJAN K. MAHINDRA**

|  |  |
| --- | --- |
| Dr. Rajan K. Mahindra | A comparative study of Bond strength of glass ionomer cements with composite resins. Mode of Failure after debonding and a study of enamel surface using scanning electron microscope. (Original research article published in Journal of Indian Orthodontic Society in 1991 |
| Dr. Rajan K. Mahindra | DMER Financed Research Project: Effects of fixed orthodontic treatment on gingival health: An observational study. Project completed in 2013-14 and Published in International Journal of Applied Dental Sciences. 2017;3(3):156-161. |
| Dr. Rajan K. Mahindra | Effective TMJ Growth changes with Twin Block: Article Published in Journal of world federation Of Orthodontist in march 2014 |
| Dr. Rajan K. Mahindra | Comparison of Load Deflection Characteristics of esthetic and Metal orthodontic Wires on Ceramic Brackets using Three Point Bending Test.. Article published in JIOS (National Journal). 2014  Dentofacial research in obstructive sleep apnoea. ECRONICON:EC PULMONOLOGY AND RESIRATORY MEDICINE. 2017 |
| Dr. Rajan K Mahindra | Dentofacial research in obstructive sleep apnoea. ECRONICON:EC PULMONOLOGY AND RESIRATORY MEDICINE. 2017 |
| Dr. Rajan K. Mahindra | Maharashtrian children of India. Indian Journal of  Orthodontics and Dentofacial Research, July-September 2017;3(3):163-167 |

**HOLDING ADDITIONAL CHARGE OF PROFESSOR AND HEAD IN** **PEDODONTICS DEPARTMENT**

**RESEARCH PROJECTS COMPLETED IN PEDODONTICS DEPARTMENT**

|  |  |
| --- | --- |
| Dr. Chaitali  Mirajkar, Dr. Rajan K. Mahindra | Evaluation of effect of dental health education and motivation of poor and underprivileged children with special health care needs through school teachers and dental health professionals. |
| Dr Poonam shingare, Dr. Rajan K. Mahindra | Assessment of knowledge, attitude and practices of anganwadi workers towards oral health of children and impact of training programme on the same in rural and urban areas of Aurangabad district- An interventional study. |

**RESEARCH PROJECTS CONDUCTED UNDER THE GUIDANCE OF DR. RAJAN K. MAHINDRA,**

**PROFESSOR & HOD**

**DEPARTMENT OF ORTHODONTICS**

|  |  |  |
| --- | --- | --- |
| 1. | Dr. Sheeba Anwar 2018-2021 (Completed) | "A comparative evaluation of enamel surface roughness after bracket debonding bonded with self cure and light cure adhesive using 3D atomic force microscope and analysing enamel structural changes structural changes using x-ray diffractometer - An In vitro study." |
| 2. | Dr. Komal Kishan Kundalkar 2018-2021 (Completed) | "Three Dimensional Evaluation of Temporomandibular Joint with Twin Block Therapy In The Management of Skeletal Class II Division 1 Malocclusion Patients With & Without Hereditary Role- A Cone Beam Computed Tomography Study." |
| 3. | Dr. Soumya Dutta 2019-2022 (Completed) | "Comparison between the effect Low-Level Laser Therapy (LLLT) & Periodontally Accelerated Osteogenic Orthodontics (PAOO) on the Rate of Orthodontic tooth movement using digital calliper and bone density using Cone Beam Computed Tomography (CBCT) - A split mouth study." |
| 4. | Dr. Namdev Kendale 2019-2022 (Completed) | "Three-Dimensional Evaluation of Upper Pharyngeal Airway Space In Skeletal Class I, Class II, Class III Individuals and its correlation with obstructive Sleep Apnoea (Using Pulse Oximeter) - A CBCT Study." |
| 5. | Dr. Prasad Kharate (2020-2023)  (Completed) | Effect of different ligation methods on friction in sliding mechanics using Universal Testing Machine - An invitro study." |
| 6 | Dr. Maheshkumar (2020-2023)  (Completed) | "Cephalometric evaluation of Marathwada population using Steiner's analysis by comparing manual and digital tracing (Carestream software)." |
| 7 | Dr. Animesh Gupta (2021-2024)  (Ongoing) | "Maxillary Rotation and its effect on mandibular and anterior cranial base length - A cephalometric rotation, maxillary incisor inclination, maxillary length  study." |

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| 8 | Dr. Mayank Malik ( 2021-2024) (Ongoing) | "A Comparative Evaluation Of Enamel Surface After Proximal Stripping Using Airotor And Proximal Strips And Application Of Casein Phosphopeptide Amorphous Calcium Phosphate (Cpp-Acp) Remineralizing Agent On Stripped Enamel Surfaces - An In-Vitro Atomic Force Microscopic Study" |
| 9 | Dr.Kiruba nandhini (2022-2025)  (Ongoing) | “The Evaluation And Comparison Of the Effects Of Clinical Recycling On The Mechanical Properties Of Stainless Steel (Ss) , Nickel-Titanium (Ni-Ti) ,Beta Titanium (TMA) And Cu Ni-Ti Arch Wires- An Ex-Vivo Study” |
| 10 | Dr.Pooja Waghmare(2022- 2025)  (Ongoing) | "Comparison of the effect of mini-screw facilitated one-time and two-time micro-osteoperforation on the rate of canine retraction; A split-mouth, single-centre, randomised controlled trial." |
| 11 | Karthika V (2023-2026) | Comparison between shear bond strength of bulk field composite and flowable composite material in bonding attachments for clear aligners using autograph universal testing machine |