

## Curriculum Vitae

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### 1. Educations (from the latest year)

Degree	Program/Institute	Year
Ph.D.	Chulalongkorn University, THAILAND	2019
M.Sc.	Mahidol University, THAILAND	2015
B.D.S.	People's Dental College, Tribhuvan University, NEPAL	2009

### 2. Working Experience (from the latest year)

Position – Organization or Institute	Year
Postdoctoral Fellow, Chulalongkorn University, THAILAND	2019–2020
Maxillofacial Prosthodontist, Dhulikhel Hospital, NEPAL	2015–2016
Dental Surgeon, Dhulikhel Hospital, Dhulikhel, NEPAL	2011–2012
Dental Surgeon, Family Dental clinic, Kathmandu, NEPAL	2011–2012
Internship (1 Year), People's Dental College and Hospital, Kathmandu, NEPAL	2009–2010

### 3. Expertise

- 1) Dental biomaterials (metallic, alloys, & polymeric biomaterials)
- 2) Removable and fixed prosthodontics
- 3) Maxillofacial prosthetics
- 4) Oral rehabilitation
- 5) Esthetic dentistry
- 6) Implant biomaterials

### 4. Teaching Experience

Yes

No

Institutes	Faculty/Dept.	Programs	Subjects	Year
Kathmandu University School of Medical Sciences	Dentistry/ Prosthodontics	B.D.S.	Prosthodontics	2015–2016

## 5. Publications (latest 5 years)

### 5.1 Research articles

1. Guragain M, Pandey BR, Maharjan M, Dahal S, Thakur S, **Rokaya D**. Patient's Awareness of Dental Implant as an Option for Missing Teeth in Chitwan, Nepal. *Eur Dent Res Biomater J* 2020;2:1-4.
2. Srimaneepong V, **Rokaya D**, Qin J, Siraleartmukul K, Thunyakitpisal P, Corrosion Resistance of Electrodeposited Graphene oxide/ Silver Coatings on Ni-Ti Alloy and Expression of IL-6 and IL-8 in Human Oral Fibroblasts. *Sci Rep* 2020;10:3274.
3. **Rokaya D**, Srimaneepong V, Sapkota J, Qin J, Siraleartmukul K, Siriwongrungson V. Graphene oxide/Silver Nanoparticles Coatings Produced by Electrophoretic Deposition Improved the Mechanical and Tribological Properties of NiTi Alloy for Biomedical Applications. *J Nanosci Nanotechnol* 2019;19:3804–10.
4. **Rokaya D**, Srimaneepong V, Qin J, Siraleartmukul K, Thunyakitpisal P. Surface Adhesion Properties and Cytotoxicity of Graphene Oxide Coatings and Graphene Oxide/Silver Nanocomposite Coatings on Biomedical NiTi Alloy. *Sci Adv Mater* 2019;11:1474–87.
5. **Rokaya D**, Kitisubkanchana J, Wonglamsam A, Santiwong P, Srithavaj T, Humagain M. Nepalese Esthetic Dental (NED) Proportion in Nepalese Population. *Kathmandu Univ Med J* 2015;51:249–54.
6. Guragain M, Mathema S, **Rokaya D**. Evaluation of Fracture Resistance and Sites of Failure of Different Dowel Core Restorations: An In-Vitro Study. *Open Dent J* 2019;13:454-61.l
7. **Rokaya D**, Suttagal K, Sapkota B, Maharjan SK. Gender Based Comparison of the Relationships of Maxillary Anterior Teeth and Facial Measurements. *J Inter Dent Med Res* 2018;11:465–9.
8. **Rokaya D**, Bhattarai BP, Suttagul K, Humagain M, Kafle D. Mentolabial Sulcus: An Esthetic Based Classification. *J Datta Meghe Institute Med Sci Univ* 2018;13:16–9.
9. **Rokaya D**, Suttagal K, Joshi S, Shah PK, Dixit S. An Epidemiological Study on Prevalence of TMD and Associated History in Nepalese Subjects. *J Dent Anesth Pain Med* 2018;18:27–33.
10. Shrestha U, Rokaya N, **Rokaya D**, Suttagul K, Shah PK, Humagain M, Karki S, Shrestha M, Seriwatanachai D. Post 'Gorkha earthquake' Medical Problems of the Victims in Nepal. *J Inter Dent Med Res* 2018;11:71–5.
11. **Rokaya D**, Suttagal K, Rokaya N, Humagain M, Seriwatanachai D. A survey on oral health and practice of Nepalese in areas affected by the earthquake in 2015. *Kathmandu Univ Med J* 2017;57:45–9.
12. Humagain M, **Rokaya D**, Sri R, Kafle D. Gender Based Comparison of Gingival Zenith Esthetics. *Kathmandu Univ Med J* 2016;54:148–52.

## 5.2 Proceeding

- 1) **Rokaya D.** Assessment of Facial Proportions in Three Facial Types in Nepalese Population. Proceeding of 9<sup>th</sup> Biennial Congress of Asian Academy of Prosthodontics (AAP) and 27<sup>th</sup> Annual Meeting, Academy of Prosthetic Dentistry, Taiwan. 21 November 2014.
- 2) **Rokaya D.** Use of Chewing-gum to increase pH of saliva. Proceeding of 88<sup>th</sup> General Session, IADR, Barcelona, Spain. 14–17 July 2010.

## 5.3 Review articles and Case reports

- 1) Amornvit P, **Rokaya D**, Sanonhkan S. Applications of PEEK in Abutment for Implant Retained Finger Prosthesis. *J Inter Dent Med Res* 2019;12:1606-9.
- 2) Skallevoid HE, **Rokaya D**, Khurshid Z, Zafar MS. Bioactive Glass Applications in Dentistry. *Int J Mol Sci* 2019;20:5960.
- 3) Basnet BB, Alhadj MN, **Rokaya D**. Relationship Between Prosthodontic Treatment and Nutritional Status: A Review. *Birat J Health Sci* 2018;3:385–9.
- 4) **Rokaya D**, Srimaneepong V, Sapkota J, Qin J, Siraleartmukul K, Vilailuck Siriwongrungson V. An Overview of Polymeric Materials and Films in Dentistry. *J Adv Res* 2018;14:25–34.
- 5) **Rokaya D**, Humagain M, Amornvit P. Maxillary Anterior Teeth Proportions for Creating Esthetically Pleasuring Smile in Nepalese Patients. *J Nepal Health Res Counc* 2018;16:362.
- 6) **Rokaya D**, Mahat Y, Sapkota B, Basnyat SK. Full Coverage Crowns and Resin-bonded Bridge Combination for Missing Mandibular Anterior Teeth. *Kathmandu Univ Med J* 2018;61:92–4.
- 7) **Rokaya D**, Amornvit P, Shrestha B, Fatmasari F, Thaworanunta S, Srithavaj T. Combination Syndrome. *Cambodian Dent J* 2015;11:18–20,32–4.
- 8) **Rokaya D**, Amornvit P, Shrestha S. Rapid Fabrication of Digital Prosthesis. *Singapore Dent J* 2015;36:45–8.

## 5.4 Book Chapters

- 1) Rokaya D. Maxillofacial Prosthetics. Complete Denture Prosthodontics, 3<sup>rd</sup> Edition. Arya Medi Publishing, New Delhi, 2019. (ISBN: 978-818-6-8091-74).
- 2) Rokaya D, Srimaneepong V, Qin J, Thunyakitpibal P. Modification of NiTi Alloys for Biomedical Applications. Environmental Chemistry for a Sustainable World. 1<sup>st</sup> Edition. Springer Nature, London, 2020. (In Press) (ISBN: 2213-7114).

- 3) Rokaya D, Srimaneepong V, Thunyakitpisal P, Qin J, Rosa V, Sapkota J. Graphene Nanocomposites for Dental Applications. Advances in Dental Implantology using Nanomaterials and Allied Technology Applications. Springer Nature, London, 2020. (In Press).
- 4) Rokaya D, Srimaneepong V, Hiran-us S, Khurshid Z. Alloys for Endodontic Files and Rotary Instruments. Biomaterials in Endodontics. Elsevier, London, 2020. (In Press).
- 5) Rokaya D, Srimaneepong V, Hiran-us S, Khurshid Z. Alloys for Endodontic Files and Rotary Instruments. Biomaterials in Endodontics. Elsevier, London, 2020. (In Press).
- 6) Amornvit P, Skallefold HE, Trinh H, Rokaya D, Zohaib Khurshid. Materials for teeth Bleaching. Biomaterials in Endodontics. Elsevier, London, 2020. (In Press).

### 5.5 Patents

### 6. Awards

Awards	Year
Dean's List Award, Faculty of Graduate Studies, Mahidol University	2015