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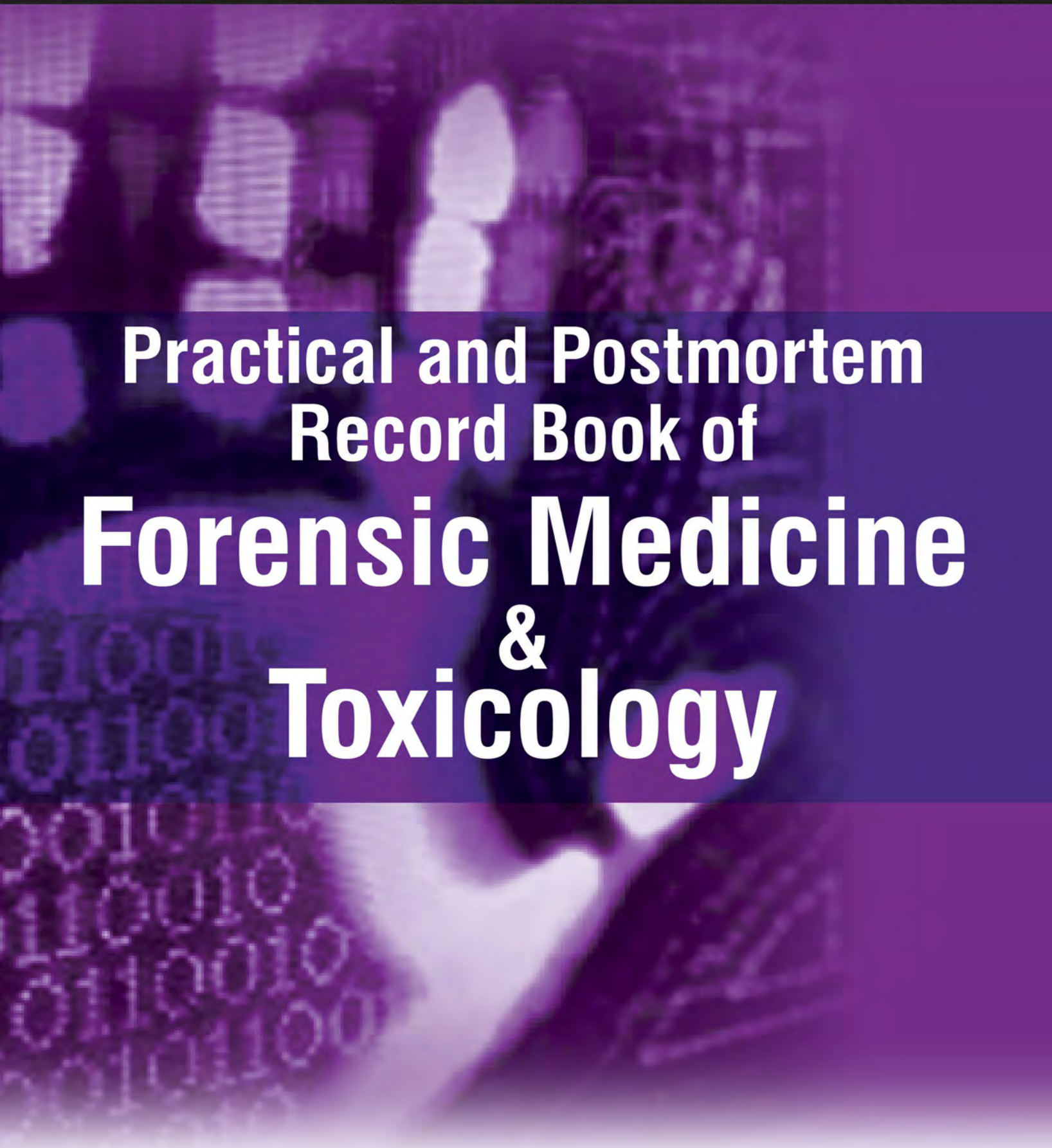

Practical and Postmortem Record Book of Forensic Medicine & Toxicology

Gautam Biswas

Forewords
Narinder K Aggarwal
Tapas K Bose

JAYPEE

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UNIT II

Identification

EX. 2.1: ESTABLISHMENT OF PERSONAL IDENTITY

A. Name: _____

B. Father's/ Husband's Name: _____

C. Gender: _____

D. Age_____ years

E. Residential Address _____

F. Identification Marks

1. _____

2. _____

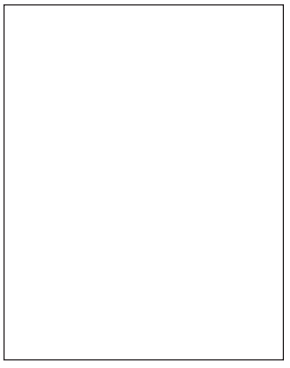
G. Documentary Proof (Birth certificate/ Voter's card/ Passport/ Aadhar Card/ Driving License, etc.)

_____

H. Thumb Impression (right thumb for females and left thumb for males)



I. Attested Photograph



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EX. 2.2: ESTABLISHMENT OF IDENTITY

1. Race and religion

a. Clothing _____

b. Complexion _____

c. Eyes _____

d. Hair _____

e. Teeth _____

f. Feet _____

g. Tattoo marks _____

2. Determination of Race from:

Skull

a. Cephalic Index _____

Type of skull	Cephalic index	Race

b. *Other Indices*

i. Brachial Index _____

ii. Crural Index _____

iii. Intermembral Index _____

iv. Humerofemoral Index _____

v. Nasal Index _____

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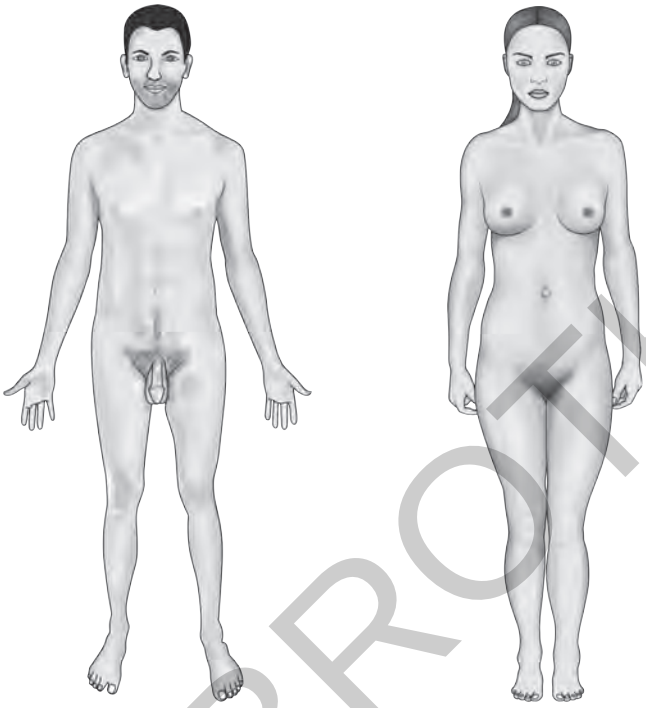
EX. 2.3: DETERMINATION OF SEX IN LIVING (Clinical Examination)



Sl. No.	Feature	Male	Female

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EX. 2.4: DETERMINATION OF SEX FROM SKELETAL REMAINS (Skull)

MALE **FEMALE**



Sl. No.	Feature	Male skull	Female skull

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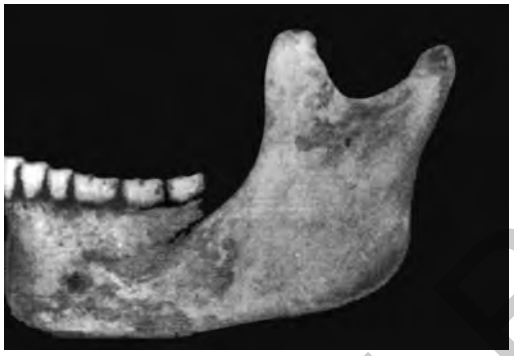
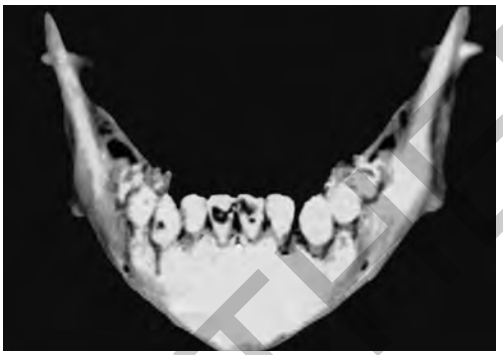
EX. 2.5: DETERMINATION OF SEX FROM SKELETAL REMAINS (Mandible)

MALE





FEMALE





Sl. No.	Feature	Male mandible	Female mandible

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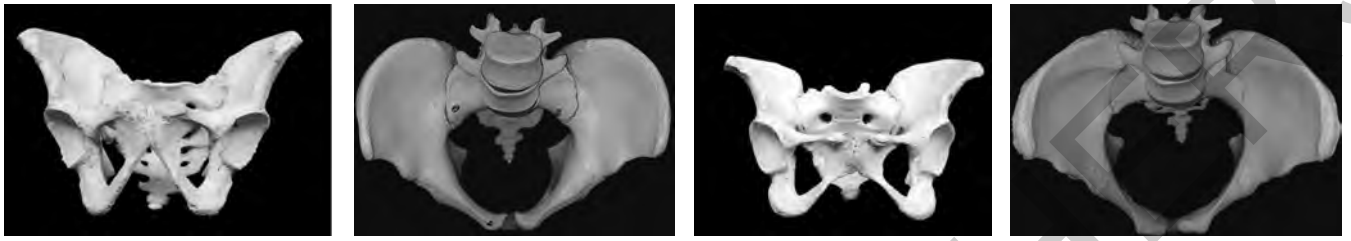
EX. 2.6: DETERMINATION OF SEX FROM SKELETAL REMAINS (Pelvis)

MALE **FEMALE**



Sl. No.	Feature	Male pelvis	Female pelvis

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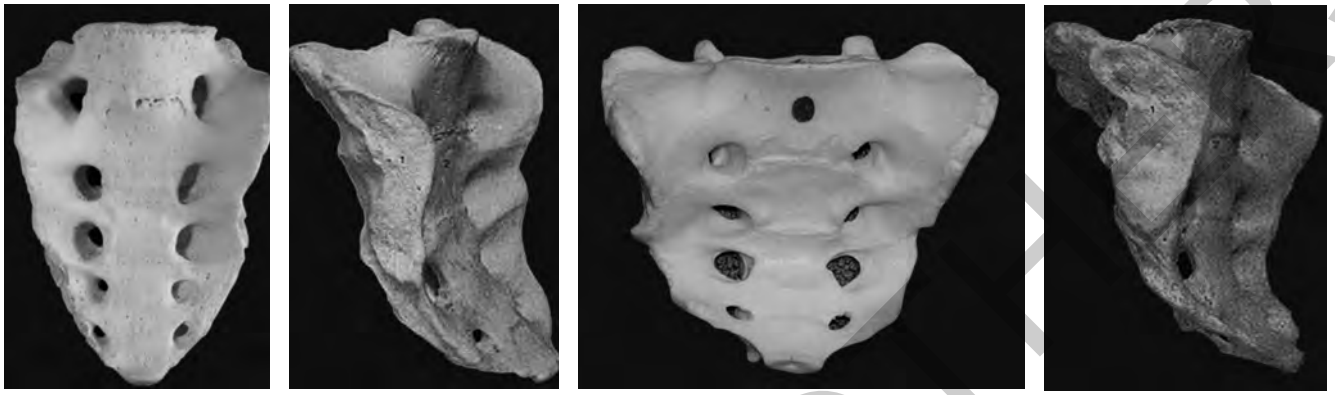
EX. 2.7: DETERMINATION OF SEX FROM SKELETAL REMAINS (Sacrum)

MALE **FEMALE**



Sl. No.	Feature	Male sacrum	Female sacrum

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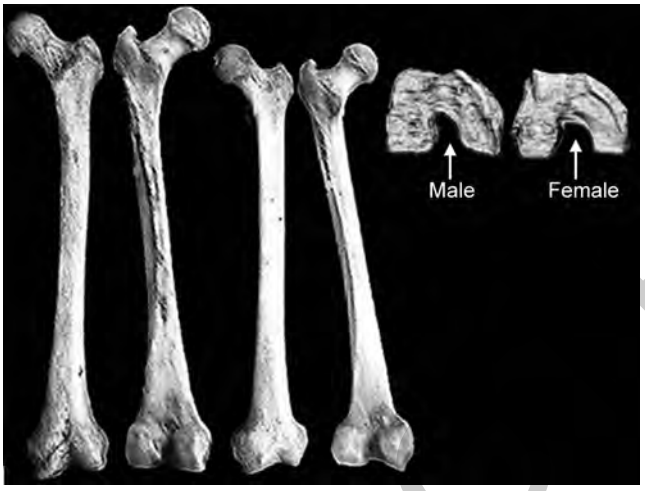
EX. 2.8: DETERMINATION OF SEX FROM SKELETAL REMAINS (Femur)

MALE FEMALE



Sl. No.	Feature	Male femur	Female femur

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EX. 2.9: DETERMINATION OF SEX FROM SKELETAL REMAINS (Sternum)

Sl. No.	Feature	Male sternum	Female sternum

EX. 2.10: DETERMINATION OF SEX FROM SKELETAL REMAINS (Humerus)

Sl. No.	Feature	Male humerus	Female humerus

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EX. 2.11: DENTAL STUDY

A. **Teeth formation and composition** _____

_____

_____

B. **Temporary Teeth** _____

_____

C. **Permanent Teeth** _____

_____

i. *Superadded Permanent Teeth* _____

_____

_____

ii. *Successional Permanent Teeth* _____

_____

_____

D. **Spacing of Jaw** _____

_____

_____

E. **Period of Mixed Dentition** _____

_____

_____

_____

F. **International System of Numbering of Teeth (FDI or ISO system)**

i. Permanent teeth

ii. Temporary teeth

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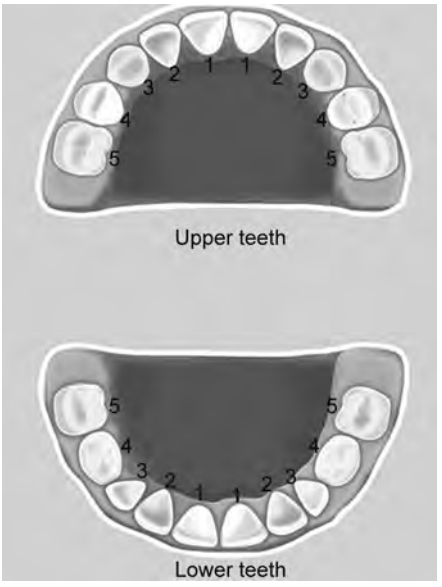
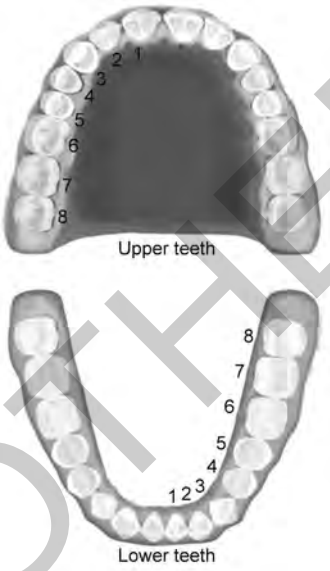
EX. 2.12: ESTIMATION OF AGE FROM ERUPTION OF TEETH





Eruption of Temporary Teeth

Teeth	Age of eruption
Central incisors Lower Upper	
Lateral incisors Upper Lower	
First molars	
Canines	
Second molars	

Eruption of Permanent Teeth

Teeth	Age of eruption
First molars	
Central incisors	
Lateral incisors	
First premolars	
Second premolars	
Canines	
Second molars	
Third molars	

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Differences between Temporary and Permanent Teeth

Feature	Temporary teeth	Permanent teeth

Estimation of Age from Teeth in Elderly Subjects

a. Miles' Method _____

_____

b. Gustafson's Method _____

Sl. No.	Criteria/ Changes	Features/ Findings

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Practical and Postmortem Record Book of

Forensic Medicine & Toxicology

Salient Features

- Comprehensive approach to practicals in Forensic Medicine and Toxicology and covers the whole syllabus for the undergraduates
- Consists of eight units dealing with all the essential components of Forensic Medicine and Toxicology practicals
- Presented in a very simple and lucid language, exercises are self-explanatory and need to be completed with appropriate answers
- Certificates, reports and notifications issued by doctors for the purposes of various acts/administrative requirements (as per MCI) are given in detail
- Proformas and certificates are provided with hypothetical cases (problem-based learning) so that the students should take more interest in the subject
- There are specific exercises on determination of age from X-rays, and instruments used in autopsy. Examination of skeletal remains is given in detail
- Clinical forensic medicine is the highlight of this practical record book. Examination of an individual for estimation of age, survivor examination in sexual assault, examination of accused in sexual assault, examination of a case of alleged impotence, examination of a patient in cases of poisoning and drunkenness are given in detail. Examination of a case of recent delivery and psychiatric examination of a person is also given
- An innovative exercise on *Project* has been added. In this exercise, the students are required to submit a case report (MLR/PMR), which they have worked upon during their posting. This is an introduction to academic writing for the students.



Gautam Biswas MBBS MD (Forensic Medicine) was born in Kolkata, West Bengal, India and did his schooling from New Delhi, India. He did his MBBS and MD (Forensic Medicine) from University College of Medical Sciences, and GTB Hospital, both in New Delhi. He began his career in 2001 as a Lecturer in Forensic Medicine and Toxicology at Dayanand Medical College and Hospital, Ludhiana, Punjab, India. He is presently working in the same institute as Professor and Head. In 2010, his book for the undergraduates *Review of Forensic Medicine and Toxicology* was published by the same publishers. Within a few years, it became the bestseller in the category of forensic books, since it was appreciated by the undergraduate and postgraduate students alike. The third edition was released recently in April 2015. He has edited another book *Recent Advances in Forensic Medicine and Toxicology* for the postgraduates and faculty of all disciplines, which was released in September 2014. Dr Biswas, a young and dynamic Forensic Medicine Expert, a good teacher, researcher and an author, has contributed a large number of research papers to various National and International scientific journals.

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