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Behavior Reena  
Mathur

Animal

Behavior

Reena Mathur

This two-volume set  
(CCIS 1229 and  
CCIS 1230)

constitutes the  
refereed

proceedings of the  
5th International  
Conference on

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Recent

Developments in

Science,

Engineering and

Technology,

REDSET 2019, held

in Gurugram, India,

in November 2019.

The 74 revised full

papers presented

were carefully

reviewed and

selected from total

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353 submissions.

The papers are organized in topical sections on data centric

programming; next generation

computing; social and web analytics;

security in data

science analytics;

big data analytics.

The papers in this

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volume are the  
refereed papers  
presented at  
AI-2013, the Thirty-  
third SGA  
International  
Conference on  
Innovative  
Techniques and  
Applications of  
Artificial Intelligence,  
held in Cambridge  
in December 2013

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in both the technical and the application streams. They present new and innovative developments and applications, divided into technical stream sections on Knowledge Discovery and Data Mining I, Knowledge Discovery and Data

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Mining II, Intelligent  
Agents,  
Representation and  
Reasoning, and  
Machine Learning  
and Constraint  
Programming,  
followed by  
application stream  
sections on Medical  
Applications,  
Applications in  
Education and

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Information Science,  
and AI Applications.  
The volume also  
includes the text of  
short papers  
presented as  
posters at the  
conference. This is  
the thirtieth volume  
in the Research and  
Development in  
Intelligent Systems  
series, which also

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incorporates the twenty-first volume in the Applications and Innovations in Intelligent Systems series. These series are essential reading for those who wish to keep up to date with developments in this important field.

For B.Sc. and



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B.Sc(hons.)  
students of all  
Indian Universities &  
Also as per UGC  
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The multicoloured  
figures and  
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photographs  
effectively  
complement the  
standard text  
matter. The target

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readers shall highly benefit by correlating the content with the multicoloured figures and photographs The book has been further upgraded with addition of important questions: long, short, very short and multiple

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questions in all  
chapters. A  
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comprehensive  
source for the  
subject matter of  
various university  
examinations.

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Practical Zoology:

Vol. 3

Using the Mysteries  
of Autism to Decode

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Animal Behavior

Chordate

Embryology

Women in India's

Call Center Industry

**Relatively high**

**wages and the**

**opportunity to**

**be part of an**

**upscale,**

**globalized work**

**environment**

**draw many in**

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India to the  
call center  
industry. At  
the same time,  
night shift  
employment  
presents women,  
in particular,  
with new  
challenges  
alongside the  
opportunities.  
This book

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explores how  
beliefs about  
what  
constitutes  
"women's work"  
are evolving in  
response to  
globalization.  
Working the  
Night Shift is  
the first in-  
depth study of  
the

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transnational  
call center  
industry that  
is written from  
the point of  
view of women  
workers. It  
uncovers how  
call center  
employment  
affects their  
lives, mainly  
as it relates

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to the anxiety  
that Indian  
families and  
Indian society  
have towards  
women going out  
at night,  
earning a good  
salary, and  
being exposed  
to western  
culture. This  
timely account



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illustrates the  
ironic and, at  
times,  
unsettling  
experiences of  
women who enter  
the spaces and  
places made  
accessible  
through call  
center work.  
Visit the  
author's

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website at <http://www.working-the-nightshift.com> and facebook group.

With unique personal insight, experience, and hard science, *Animals in Translations* is

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the definitive,  
groundbreaking  
work on animal  
behavior and  
psychology.

Temple

Grandin's

professional

training as an

animal

scientist and

her history as

a person with

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autism have given her a perspective like that of no other expert in the field of animal science. Grandin and coauthor Catherine Johnson present their powerful theory that

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autistic people  
can often think  
the way animals  
think—putting  
autistic people  
in the perfect  
position to  
translate  
“animal talk.”

Exploring  
animal pain,  
fear,  
aggression,

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love,  
friendship,  
communication,  
learning, and  
even animal  
genius, Grandin  
is a faithful  
guide into  
their world.  
Animals in  
Translation  
reveals that  
animals are

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much smarter  
than anyone  
ever imagined,  
and Grandin,  
standing at the  
intersection of  
autism and  
animals, offers  
unparalleled  
observations  
and  
extraordinary  
ideas about

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**Dimensions:**

**21x15x3 cm. 10  
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ion 2.Cellular  
Basis of  
Development  
3.DNA, RNA and  
Protein  
Synthesis**



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and  
Spermatogenesis
5. Female  
Gonads and  
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Transportation  
of Gametes
7. Reproductive  
Cycles .
- Fertilization 8

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Parthenogenesis  
9 Cleavage and  
Blastulation -  
Nucleus and  
Cytoplasm in  
Development 10  
Fate Maps and  
Cell Lineage,  
Gastrulation ,  
Neurulation,  
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of Frog  
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of Chick.14  
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Sterility,

Artificial

Insemination,

Test-tube Baby

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Indian Mammals  
Evolution and  
Behaviour  
Animal  
Behaviour  
(Ethology)

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**Economic**

**Zoology**

**Biostatistics**

**and Animal**

**Behaviour**

1. Introduction 2.

Climatic and

Topographic Factors

3. Edaphic Factors

(Soil Science)4. Biotic

Factor 5. Ecological

Adaptations 6.

Autecology of Species

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7. Population -  
Structure and  
Dynamics
8.  
Community-Structure  
and Classification
9.  
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(Ecological  
Succession)
10.  
Ecosystem: Structure  
and Function
11.  
Habitat Ecology
12.  
Degradation of  
Natural Resources



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Crisis and Non-  
Conventional Sources  
14. Biodiversity and  
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its Conservation 15.  
Environment and  
Development-India's  
Viewpoint 16. Global  
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Change 17.

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Behaviour Rastogi

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Pattern Recognition

Environmental

Biology & Toxicology

A Field Guide

TEXTBOOK OF

ANIMAL

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BEHAVIOUR

Developmental

Biology

This well-accepted book, now stands in its second edition, is a time-honoured revision and extension of the previous edition. Beginning with an introduction to the study of animal behaviour, the book

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explains the various aspects of behavioural biology incorporating a wealth of information from molecular biology, neurobiology, and socio-biology with a new approach. It describes different kinds of innate and learned behaviours, animal communications,

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defensive behaviours such as camouflage and mimicry with suitable illustrations. The book incorporates the introductory concepts of biomimicry in an attractive manner.

Further, it discusses biorhythms, migration in fish and birds, in addition to evolution and physiological basis

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of migration. The text also presents the important aspects of socio-biology and social behaviours, such as feeding, adaptation, prey defence, territoriality, aggression, altruism, sexuality, and parental care. Finally, it provides discussions on behavioural ecology

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in the context of conservation biology, and human behaviour. The book presents the basic principles of animal behaviour with the aid of carefully selected examples from both the recent and classic literature along with an emphasis on readability. In the present edition, topics

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like eusociality and behavioural theories have been incorporated. This edition also includes as many as 11 published articles by the author on different topics related to the subject matter in box format to further strengthen the text. The book is primarily intended for



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the students of  
B.Sc./M.Sc.  
(Zoology/Life Science)  
for their courses. It  
would be useful for the  
researchers in the field  
of animal behaviour,  
and conservation  
biologists. It would also  
attract readership  
studying Sociology and  
Anthropology. **KEY  
FEATURES** : Presents

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a well-balanced view of ethology. Discusses the current development in the field. Includes a glossary of important terms. Offers end-of-chapter questions to check the students' understanding of the concepts.

1. Economically  
Important  
Phytoparasitic

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- Nematodes
- Insect Pests of Some Economically Important Crops
- Some Important Parasites and Pests
- House Hold Insects
- Mites and Ticks
- Apiculture
- Lac Culture
- Sericulture
- Edible Fresh Water Fishes
- Fish Culture
- Economic

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Importance of Fish 12.

Fish Diseases 13.

Poultry 14. Dairy

Farming 15. Rat

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Control

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An Introduction to

Biostatistics 2. Graphic

Representation of

Frequency Distribution

3. Measures of Central

Tendency 4. Measures

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of Validity 5. Normal  
Distribution Log/  
Antilog Tables

ANIMAL

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Introduction and  
Significance of Study of  
Animal Behaviour 2.

Concepts and Patterns

3. Approach and

Methods 4.

Communication 5.

Reproductive

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Behaviour in Animals:  
Courtship and Mating  
6. Aggressive and  
Territorial Behaviour 7.  
Parental Behaviour 8.  
Behavioural Genetics  
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Study of Animal  
Behaviour 2. Concepts  
of Ethology 3. Methods  
of Studying Behaviour  
4. Mammalian  
Nervous System and

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Behaviour 5.

Pheromones 86-108 6.

Hormones and

Behaviour 7. Biological

Clocks 8. Orientation

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Navigation 10. Fish

Migration 11. Social

Organization 12.

Wildlife 10 India

Glossary

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Reading

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Animal Physiology

Animal behaviour

Working the Night  
Shift

Creature Habits

Revealed!

The Fungi

*1. Concept of*

*Evolution 2.*

*Origin of Life 3.*

*Variation 4.*

*Mutations 5.*



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*Isolation,  
Species and  
Speciation 6.  
Natural  
Selection  
Theory 7.  
Mimicry 8.  
Population  
Genetics and  
Evolution 9.  
Macroevolution  
and*

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*Microevolution  
10. Phylogeny of  
Horse 11.*

*Evolution of  
Man I ANIMAL  
BEHAVIOUR I  
1. Introduction  
and Significance  
of Study of  
Animal  
Behaviour 2.  
Concepts and*

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*Patterns 3.*

*Approach and  
Methods 4.*

*Behavioural  
Genetics 5.*

*Hormones and  
Drugs 6.*

*Reproductive  
Behaviour in  
Animals:*

*Courtship and  
Mating 7.*

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*Learning 8.*

*Social*

*Organization 9.*

*Human*

*Ethology 10.*

*Sociobiology*

*CELL*

*BIOLOGY1. The*

*Cell 2.*

*Microscopy 3.*

*Protoplasm 4.*

*Cell Membrane*

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5.

*Mitochondrion*

6. *Golgi*

*Complex*7.

*Endoplasmic*

*Reticulum* 8.

*Ribosomes*9.

*Lysosomes*10.

*Centrosome* 11.

*Plastids* 12.

*Cilia, Flagella  
and Basal*

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*Bodies 13.*

*Nucleus 14.*

*Chromosomes*

*15. Nucleic*

*Acids 16. Cell*

*Reproduction :*

*Mitosis 17. Cell*

*Reproduction :*

*Meiosis 18.*

*Biology of*

*Cancer 19.*

*Cellular Basis of*

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*Immunity DEVELOPMENTAL  
BIOLOGY1.*

*Historical  
Perspective,  
Aims and Scope  
of Developmental  
Biology2. Gam  
etogenesis3.*

*Fertilization4.  
Types of  
Patterns of*

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*Cleavage*5.

*Blastulation and  
Fate Maps in  
Frog and  
Chick*6.

*Gastrulation in  
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*This textbook  
covers all  
syllabus of B.Sc.  
classes of All  
Indian*



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*Universities and  
has been  
prepared  
according to  
U.G.C. model  
curriculum.  
Animal  
Behaviour deals  
with various  
types of  
behaviours of  
animals and also*

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*that of human  
beings.*

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*Water Quality*

*and Climate*

*Change*

*Research and*

*Development in*

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the culture and  
politics of  
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the role of non-  
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avant-gardes  
within the  
discourses of  
contemporary art.  
Through skillful  
interpretation of

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Kapur ' s practices,  
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received notions of  
mainstream art  
history may be  
investigated and  
subjected to  
creative  
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scholarly



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offers an  
impassioned  
model of critical  
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exceptionally

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rodents and bats,  
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experts, Indian  
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known to exist in  
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Menon, one of  
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wildlife, describes  
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features,  
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behaviour, social  
strategies, habitat  
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experiences  
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Environment  
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gamut of wildlife in  
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and conservation.

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enriched with  
principles, theories,  
methods and tools of  
wildlife study, latest  
findings in Indian  
perspective  
including supportive  
data, and

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photographs of  
wildlife species in  
their natural habitat  
inclusive of colour  
plates. The chapters  
on 'Wildlife tools  
and techniques',  
'Special wildlife  
management  
programmes' and  
'Wildlife  
legislations and

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initiatives' will certainly attract special attention of the readers. The students who wish to pursue career in wildlife biology will be benefited with the book as it provides comprehensive understanding of the common field

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methods in wildlife  
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present text is a  
pioneer effort of the  
authors to fulfill the  
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of undergraduate and  
postgraduate  
students of wildlife  
biology and zoology.  
The book will be  
equally valuable for

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the wildlife  
conservationists,  
academicians and  
those who are  
actively engaged in  
wildlife research.  
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constitutes the  
refereed proceedings  
of the Third  
International  
Conference on



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Recent Trends in  
Image Processing  
and Pattern  
Recognition  
(RTIP2R) 2020, held  
in Aurangabad,  
India, in January  
2020. The 78 revised  
full papers presented  
were carefully  
reviewed and  
selected from 329

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submissions. The papers are organized in topical sections in the two volumes.

Part I: Computer vision and applications; Data science and machine learning; Document understanding and Recognition. Part II: Healthcare

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informatics and  
medical imaging;  
Image analysis and  
recognition; Signal  
processing and  
pattern recognition;  
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brings together high-  
quality research

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contributions on ecological aspects of urbanization, water quality concerns in an urban environment, and climate change issues with a strong Indian focus under one umbrella. It includes several case studies that discuss

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urban water  
management,  
particularly  
highlighting the  
quality aspects.  
Urbanization is an  
ecological  
disturbance that the  
modern world  
accepts as essential  
in the absence of a  
better alternative that

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could provide an equal level of comfort. The prohibitive costs of eco-friendly production technologies are forcing the developing world to generate industrial waste that is detrimental to the

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environment. At the same time, the availability of adequate fresh water is another challenge for our climate-change impacted world. The scientific community is, therefore, searching for ways towards ecologically

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sustainable urban  
development.

Discussing all these  
issues, this book  
offers a useful guide  
for academicians,  
researchers,  
practicing engineers,  
and managers  
dealing with diverse  
water-related  
problems in urban



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areas.

Fish And Fisheries  
2Nd Revised And  
Enlarged Edn  
Cell And  
Developmental  
Biology  
Practical Zoology  
Invertebrate  
Animal Behavior  
Endocrinology and  
Reproductive

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