



UTHM
Universiti Tun Hussein Onn Malaysia

“Achieving Teaching and Learning Objectives with ScienceDirect eBooks”

By

Ts Dr Abd Fathul Hakim Zulkifli

Deputy Dean (Academic & International)

Faculty of Engineering Technology

Universiti Tun Hussein Onn Malaysia (UTHM)



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Webinar Outline

- UTHM's ScienceDirect eBook Collections
- UTHM's Support in Maximizing eBooks in Teaching & Learning
- My Experience using ScienceDirect eBook in Teaching & Learning
- Challenges & Overcome Strategies
- Q & A



ELSEVIER

UTHM's ScienceDirect eBook Collections

Our ScienceDirect eBook
Collections

Almost 10000 titles

WHY eBook?



Engineering

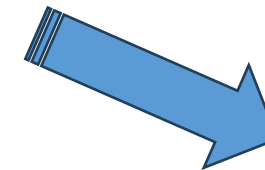
**Chemicals
engineering**

Material Sciences

UTHM's Elsevier eBook Collections

Why Higher Education Institutions need to embrace eBooks?

- 1 Enable distance learning
- 2 Search and Learn
- 3 Economically more viable



Convenience

portable

save on space

24/7 access to information

UTHM's Support in Maximizing eBooks in Teaching & Learning

Systematic Approach by UTHM's Library



**Engagement Meeting with the Deans and Deputy Deans
(Academic Affairs)**



Workshop on Curriculum Review with Subject Expert



Integration of links of eBooks into Learning Management System





Elsevier provided valuable support by training our lecturers to adopt the content in the curriculum and teach them how they can maximise their use of ScienceDirect eBooks.

My Experience using ScienceDirect eBook in Teaching & Learning

1 eBooks as a main references (Lesson Plan)

Before

12. References (including required and further readings):	<ol style="list-style-type: none"> 1. Serope, Kalpakjian and Schmid, Steven R. (2014). Manufacturing Engineering and Technology. 7th ed. Pearson. Call number: TS176 .K34 2014 2. Groover, Mikell P. (2007). Fundamentals of Modern Manufacturing: Materials, Processes and Systems. 3rd ed. John Wiley. Call number: TS183 .G76 2007 3. Rao P. N. (2009). Manufacturing Technology. 3rd ed. McGraw-Hill. Call number: TS183 .R36 2009 v.1 4. Schey, John A. (2000). Introduction to Manufacturing Process. 3rd ed. McGraw-Hill. Call number: TS183 .S34 2000 N1 5. Timings R. L., Wilkinson S. P. (2000). Manufacturing Technology. 2nd ed. Longman. Call number: TS176 . T55 2000 J2N1
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Library's Call No

Example:

BNG20402 Introduction to Automotive Industry

Lecture plan

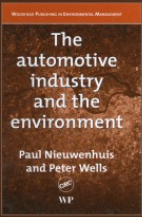
After



Journals & Books

The Automotive Industry and the Environment

Book • 2003



Authors:
Paul Nieuwenhuis and Peter Wells

↓ About the book

Browse this book

↓ By table of contents

Book description

The automotive industry currently faces huge challenges. The technological paradigm it relies on, volume production, is progressively more unprofitable in the face of...

12 **References (include required and further readings, and should be the most current (less than 5 years))**

1. Sakhivel, R. et al (2019). Introduction to Automotive Engineering. John Wiley & Sons. https://app.knovel-com.ezproxy.uthm.edu.my/kn/resources/kplAE00013/toc?b-content-type=book&b-a=automotive&include_synonvms=no&a=automotive&sort_on=default
2. Xu Wang (2020). Automotive Tire Noise and Vibrations: Analysis, Measurement, and Simulation. Elsevier. <https://www-sciencedirect-com.ezproxy.uthm.edu.my/book/9780128184097/automotive-tire-noise-and-vibrations>
3. William B. Ribbens (2017). Understanding Automotive Electronics : An Engineering Perspective. Elsevier. <https://www-sciencedirect-com.ezproxv.uthm.edu.my/book/9780128104347/understanding-automotive-electronics>
4. Paul Nieuwenhuis and Peter Wells (2003). The Automotive Industry and the Environment. Elsevier. <https://www-sciencedirect-com.ezproxy.uthm.edu.my/book/9781855737136/the-automotive-industry-and-the-environment>
5. Huain Song et al (2022). Nanotechnology in the Automotive Industry: A volume in Micro and Nano Technologies. Elsevier. <https://www-sciencedirect-com.ezproxv.uthm.edu.mv/book/9780323905244/nanotechnology-in-the-automotive-industry>
6. Hua Zhao (2007). HCCI and CAI Engines for the Automotive Industry. Elsevier. <https://www-sciencedirect-com.ezproxy.uthm.edu.my/book/9781845691288/hcci-and-cai-engines-for-the-automotive-industry>
7. Joseph P. Greene (2021). Automotive Plastics and Composites: Materials and Processing; A volume in Plastics Design Library. Elsevier. <https://www-sciencedirect-com.ezproxv.uthm.edu.mv/book/9780128180082/automotive-plastics-and-composites>
8. Radhakanta Rana and Shiv Brat Singh (2017). Automotive Steels: Design, Metallurgy, Processing and Applications. Elsevier. <https://www-sciencedirect-com.ezproxv.uthm.edu.mv/book/9780081006382/automotive-steels>
9. B. Ashok (2022). NOx Emission Control Technologies in Stationary and Automotive Internal Combustion Engines: Approaches Toward NOx Free Automobiles. Elsevier. <https://www-sciencedirect-com.ezproxy.uthm.edu.mv/book/9780128239551/nox-emission-control>

eBook Direct Link

My Experience using ScienceDirect eBook in Teaching & Learning

2 Develop Instructional Material (Group Project)



Example:

BNG20402 Introduction to Automotive Industry

Group Project



UNIVERSITI TUN HUSSEIN ONN
 FACULTY OF ENGINEERING T
 DEPARTMENT OF MECHANICAL ENGIN

Group Project
Introduction to Automoti
(BNG 20402)

Instruction:

As a project team that consists of **ONE (1)** project engineer/technologist. Your team is required to conduct the following topics (refer in **Table 1** and select one topic project with respect to National Automotive Policy 2020 (<https://www.miti.gov.my/index.php/pages/view/nap2020>))

Table 1: List of technology development

No	Project
1	Development of Advanced Electrode and Elect
2	Battery Charge, Mechanical and Thermal Mana
3	Lithium Ion Battery Module Packaging and Tes
4	Next Generation Battery Technology Roadmap
5	Lightweight Plastic Glazing for the Automotive
6	Lithium-ion Battery Material Manufacturing Scale up and Process Optimization

Project Delivery Expected Outcome

Written Report:

- Written project technical report in Microsoft word (Times News Roman, 12pt, 1.5 spacing).
- Content of the report shall include the all the above items from Part A to E.
- 50% of the references **MUST** come from PTTA, UTHM resources especially from ScienceDirect

Presentation:

- Beside written report, you are required to perform a presentation (**video recorded**) at week 14. Each group members should involve in the project presentation.
- The **presentation slides** should be used during your group presentation and should be submitted together with the written report.

My Experience using ScienceDirect eBook in Teaching & Learning

3 Learning activities using digital resources



Example:

Give students a keyword for them to explore in the ScienceDirect and do share in the classroom

Topics given

CHAPTER 4
 AUTOMOTIVE TECHNOLOGY TRENDS AND DEVELOPMENTS

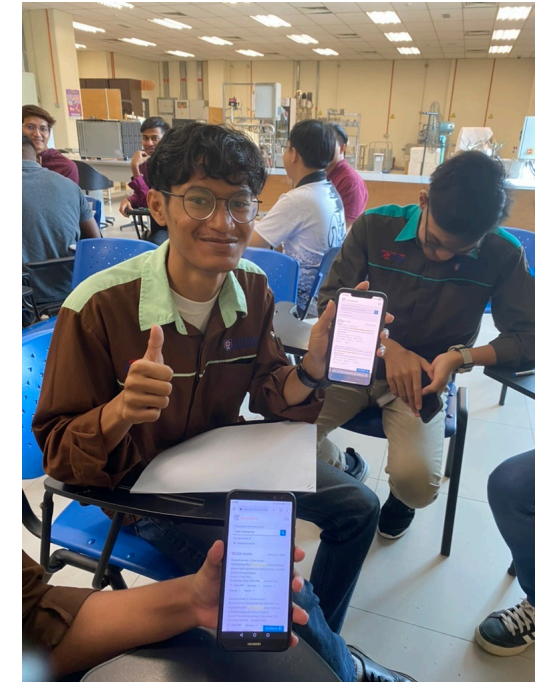
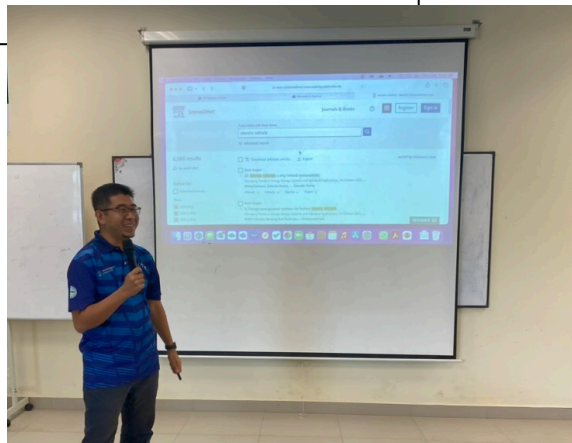
3 Fuel Economy 2 Alternative Fuel

1 Exhaust Emissions

4 EV 6 Hybrid

5 Autonomous

Students explore resources in ScienceDirect database



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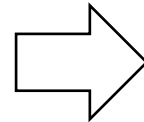
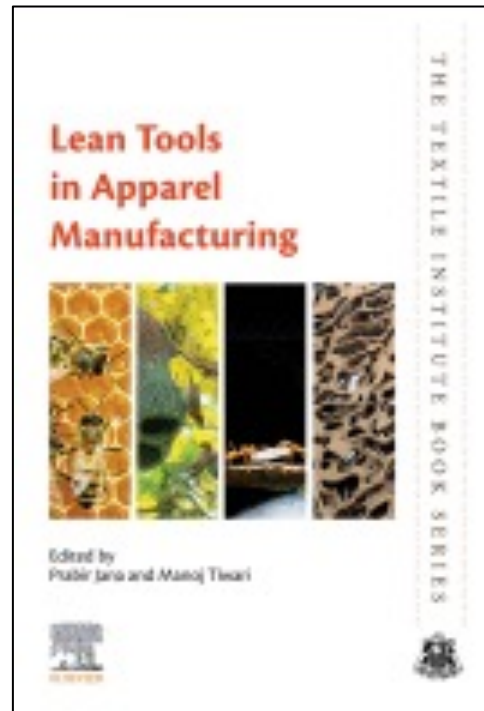
4 Final Year Project: Industrial Based Project



Example: Final year project

RE-SIP : Research Enhanced – Structured Internships Programme

Improving Manufacturing Production of Mattress/Upholstery Products Using Lean Management Principles



My Experience using ScienceDirect eBook in Teaching & Learning

5 Demo ScienceDirect eBooks features in class



Search Results

Enhanced Reader

Download Multiple PDFs



ScienceDirect Topics

ScienceDirect eBooks features: Search Results

ELSEVIER

Search Results

ScienceDirect

Journals Books Nicholas Pak  

1 792,745 results

2 Refine by:

Years

2018 (5,855)

2017 (71,159)

2016 (61,683)

Show more ▾

Article type

Review articles (80,420)

Original research (494,488)

Encyclopedia (13,956)

Book chapters (89,736)

Show more ▾

Publication title

The Lancet (8,097)

Journal of Cleaner Production (7,493)

Renewable and Sustainable Energy Reviews (7,294)

Show more ▾

Access type

Open access (70,475)

Open archive (23,775)

5

3 sorted by [relevance](#) | [date](#)

4 Accounting and sustainable development: Reflections and propositions
 Original research article
 Critical Perspectives on Accounting, Volume 48, October 2017, Pages 21-34
 Jan Bebbington, Shona Russell, Ian Thomson



Export

- > Save to RefWorks
- > Export citation to RIS
- > Export citation to BibTeX
- > Export citation to text

Literature review

tecture scholarship; and an exploration of how we might conceptualise 'engagement' with practice in this context (and what is meant by practice and practitioner). Taken together, this paper seeks to provide points of provocation and encouragement to social and environmental accountants, critical accounting scholars and to those seeking to understand sustainable development scholarship and action.

6 Suggested Journals:

[View all](#)

1 Search Results

2 Search Refine (Limit to or Exclude)

3 Sorting Option (Relevance/Date)

4 Display Article Pages (Download PDF | Abstract | Cite)

5 Download Multiple PDFs

6 Suggested Journals

ScienceDirect eBooks features: Enhanced Reader

Enhanced Reader on ScienceDirect

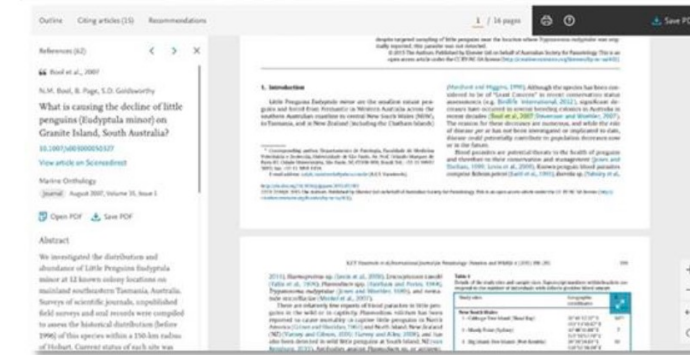
Author Data Integration

Evaluate article, evaluate others, stay up-to-date, connect with the right



Reference Linking

Evaluate and read article, evaluate others, stay up-to-date



Figure/Media Viewer

Evaluate and read article



Article Recommendations

Stay up-to-date





Citing Articles


Evaluate article, stay up-to-date



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[big data] Author name Journal/book title Volume Issue Pages  Advanced search


583,065 results Download 25 articles sorted by relevance | date

Refine by:


Years

- 2018 (6,537)
- 2017 (53,256)
- 2016 (44,843)
- Show more 

Article type

- Review articles (25,569)
- Research articles (446,007)
- Encyclopedia (4,474)
- Book chapters (47,837)
- Show more 

Publication title




- IFAC Proceedings Volumes (4,707)
- Procedia - Social and Behavioral Sciences (3,796)
- Physics Letters B (3,150)
- Show more 





Access type





- Open access (44,556)
- Open archive (15,216)





Batch Download and Automatic Naming

- Download multiple PDF files in a Zip folder
- Maximum number of PDF files – 25 per download

Wendy Arianne Günther, Mohammad H. Rezaade Mehrizi, Marleen Huysman, Frans Feldberg
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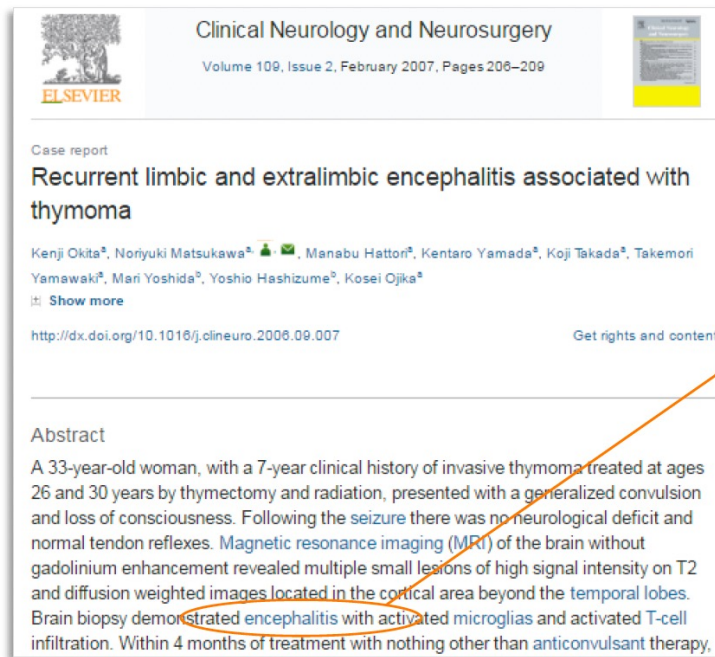
 **Big Remotely Sensed Data: tools, applications and experiences**
 Research article
 Remote Sensing of Environment, Volume 202, 1 December 2017, Pages 1-2
 F. Casu, M. Manunta, P.S. Agram, R.E. Crippen
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 **The role of big data analytics in Internet of Things**
 Research article
 Computer Networks, Volume 129, Part 2, 24 December 2017, Pages 459-471
 Ejaz Ahmed, Ibrar Yaqoob, Ibrahim Abaker Targio Hashem, Imran Khan, ... Athanasios V. Vasilakos
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 **Big data analytics in supply chain management between 2010 and 2016: Insights to industries**
 Short communication
 Computers & Industrial Engineering, Volume 115, January 2018, Pages 319-330
 Sunil Tiwari, H.M. Wee, Yosef Daryanto
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ScienceDirect eBooks features: ScienceDirect Topics

ScienceDirect Topics helps researchers uncover critical and contextual information within their workflow



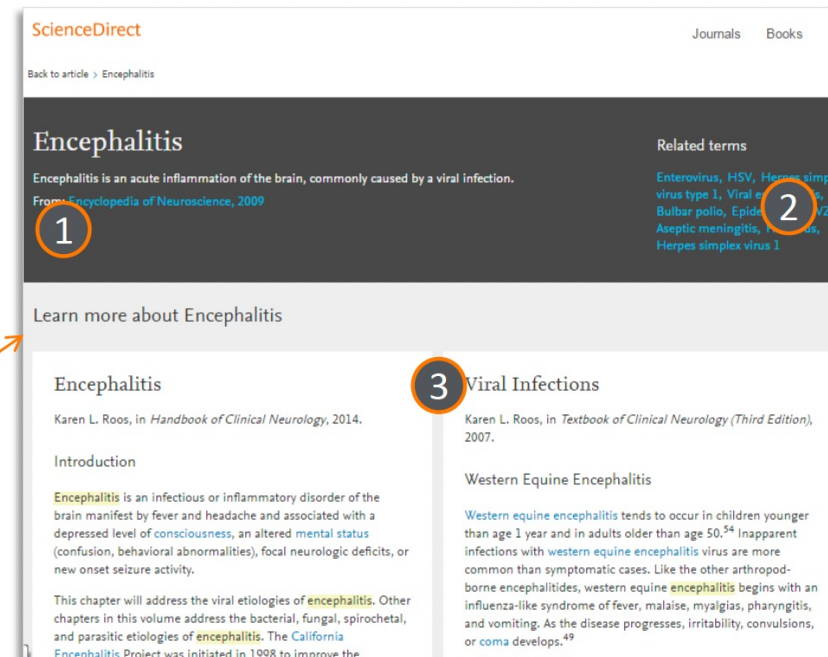
Clinical Neurology and Neurosurgery
 Volume 109, Issue 2, February 2007, Pages 206–209

Case report
Recurrent limbic and extralimbic encephalitis associated with thymoma

Kenji Okita^a, Noriyuki Matsukawa^a, Manabu Hattori^a, Kentaro Yamada^a, Koji Takada^a, Takemori Yamawaki^a, Mari Yoshida^a, Yoshio Hashizume^a, Kosel Ojika^a

<http://dx.doi.org/10.1016/j.clineuro.2006.09.007> [Get rights and content](#)

Abstract
 A 33-year-old woman, with a 7-year clinical history of invasive thymoma treated at ages 26 and 30 years by thymectomy and radiation, presented with a generalized convulsion and loss of consciousness. Following the seizure there was no neurological deficit and normal tendon reflexes. Magnetic resonance imaging (MRI) of the brain without gadolinium enhancement revealed multiple small lesions of high signal intensity on T2 and diffusion weighted images located in the cortical area beyond the temporal lobes. Brain biopsy demonstrated encephalitis with activated microglia and activated T-cell infiltration. Within 4 months of treatment with nothing other than anticonvulsant therapy.



ScienceDirect Journals Books

Back to article > Encephalitis

Encephalitis
 Encephalitis is an acute inflammation of the brain, commonly caused by a viral infection. From *Encyclopedia of Neuroscience*, 2009

1

Related terms
 Enterovirus, HSV, Herpes simplex virus type 1, Viral encephalitis, Bulbar polio, Epidemic encephalitis, VZV, Aseptic meningitis, Herpes simplex virus 1

2

Learn more about Encephalitis

Encephalitis
 Karen L. Roos, in *Handbook of Clinical Neurology*, 2014.

3 **Viral Infections**
 Karen L. Roos, in *Textbook of Clinical Neurology (Third Edition)*, 2007.

Introduction
Encephalitis is an infectious or inflammatory disorder of the brain manifest by fever and headache and associated with a depressed level of consciousness, an altered mental status (confusion, behavioral abnormalities), focal neurologic deficits, or new onset seizure activity.

This chapter will address the viral etiologies of **encephalitis**. Other chapters in this volume address the bacterial, fungal, spirochetal, and parasitic etiologies of **encephalitis**. The California Encephalitis Project was initiated in 1998 to improve the

Western Equine Encephalitis
 Western equine encephalitis tends to occur in children younger than age 1 year and in adults older than age 50.⁵⁴ Inapparent infections with western equine encephalitis virus are more common than symptomatic cases. Like the other arthropod-borne encephalitides, western equine encephalitis begins with an influenza-like syndrome of fever, malaise, myalgias, pharyngitis, and vomiting. As the disease progresses, irritability, convulsions, or coma develops.⁴⁹

Key Features:

1. Overall clear definition
2. Related terms (to topic pages)
3. Learn more on topic
 - 10 longer definitions
 - Related/ relevant reading

Live in Neuroscience,
 Biomedical Sciences and Life
 Sciences June 2017

ScienceDirect eBooks features: ScienceDirect Topics

1. Quick Definition

Cell membrane

The cell membrane is a selectively permeable biological membrane found inside the cell wall and surrounding the cytoplasm.

From: [Atlas of Oral Microbiology, 2015](#)

ScienceDirect

Back to previous page > Cell membrane

Cell membrane

The cell membrane is a selectively permeable biological membrane found inside the cell wall and surrounding the cytoplasm.
 From: [Atlas of Oral Microbiology, 2015](#)

Related terms

Macrophages, Amygdala, Basolateral amygdala, EGF, Amino Acids, BFGF, F4/80, Peptidase, Receptor agonist, EGFR

Learn more about Cell membrane

<h4>Structure and Composition of Microbes*</h4> <p>J.P. Coleman, C.J. Smith, in <i>Reference Module in Biomedical Sciences</i>, 2014.</p> <h4>Cytoplasmic Membrane</h4> <p>The cytoplasmic membrane (inner membrane of Gram-negative bacteria) has a structure similar to eukaryotic cell membranes in that it is a bilayer of phospholipids containing embedded proteins. It differs from eukaryotic cell membranes by the absence of polyunsaturated lipids and endogenously synthesized sterols, although some bacteria incorporate membrane sterols</p>	<h4>Basic Biology of Oral Microbes</h4> <p>in <i>Atlas of Oral Microbiology</i>, 2015.</p> <h4>Cell Membrane</h4> <p>The cell membrane is a selectively permeable biological membrane found inside the cell wall and surrounding the cytoplasm. It is made of a lipid bilayer. The cell membrane is compact and flexible, and measures approximately 7.5nm in thickness. It accounts for 10–30% of the bacterial cell dry weight. The structure of the bacterial cell membrane resembles that of eukaryotic cell membranes, except it is deficient in cholesterol. The lipid bilayer is embedded with carrier proteins and</p>
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- A short definition to quickly orient the user to the subject
- Enables users to understand and interpret scientific literature

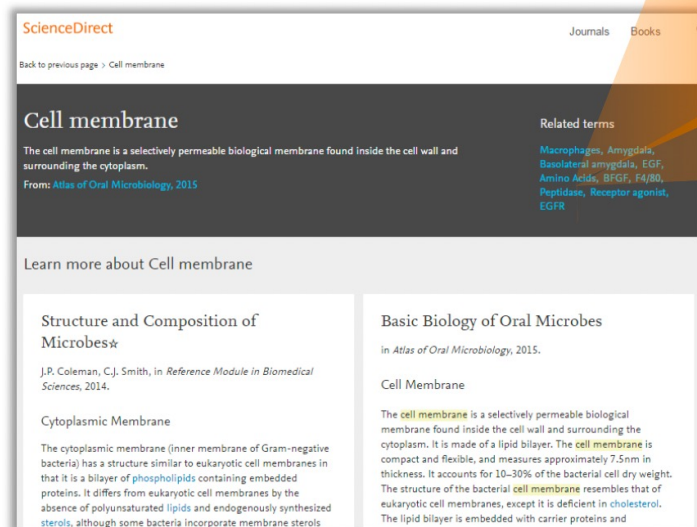
ScienceDirect eBooks features: ScienceDirect Topics

2. Related Terms

- Users can learn more through interdisciplinary links

Related terms

Macrophages, Amygdala, Basolateral amygdala, EGF, Amino Acids, BFGF, F4/80, Peptidase, Receptor agonist, EGFR



ScienceDirect Journals Books

Back to previous page > Cell membrane

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Learn more about Cell membrane

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- Ideal for those who want to explore further

ScienceDirect eBooks features: ScienceDirect Topics

3. Relevant Excerpts

- Provides a comprehensive overview

ScienceDirect

Back to previous page > Cell membrane

Cell membrane

The cell membrane is a selectively permeable biological membrane found inside the cell wall and surrounding the cytoplasm.

From: *Atlas of Oral Microbiology*, 2015

Learn more about Cell membrane

Structure and Composition of Microbes*

J.P. Coleman, C.J. Smith, in *Reference Module in Biomedical Sciences*, 2014.

Cytoplasmic Membrane

The cytoplasmic membrane (inner membrane of Gram-negative bacteria) has a structure similar to eukaryotic cell membranes in that it is a bilayer of phospholipids containing embedded proteins. It differs from eukaryotic cell membranes by the absence of polyunsaturated lipids and endogenously synthesized sterols, although some bacteria incorporate membrane sterols derived from host cells. The cytoplasmic membrane is the site of important cellular functions, such as electron transport, protein secretion, nutrient transport, and lipid biosynthesis.

[Read full chapter](#)

Basic Biology of Oral Microbes

in *Atlas of Oral Microbiology*, 2015.

Cell Membrane

The cell membrane is a selectively permeable biological membrane found inside the cell wall and surrounding the cytoplasm. It is made of a lipid bilayer. The cell membrane is compact and flexible, and measures approximately 7.5nm in thickness. It accounts for 10–30% of the bacterial cell dry weight. The structure of the bacterial cell membrane resembles that of eukaryotic cell membranes, except it is deficient in cholesterol. The lipid bilayer is embedded with carrier proteins and zymoprotein, which possess specific functions.

The cell membrane of some bacteria can form invaginations into the cytoplasm called mesosomes.

[Read full chapter](#)

Learn more about Cell membrane

Structure and Composition of Microbes*

J.P. Coleman, C.J. Smith, in *Reference Module in Biomedical Sciences*, 2014.

Cytoplasmic Membrane

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The cell membrane of some bacteria can form invaginations into the cytoplasm called mesosomes.

[Read full chapter](#)

Cell Membranes

Jeffrey C. Freedman, in *Cell Physiology Source Book (Fourth Edition)*, 2012.

Summary

This chapter reviews some basic biochemical properties of

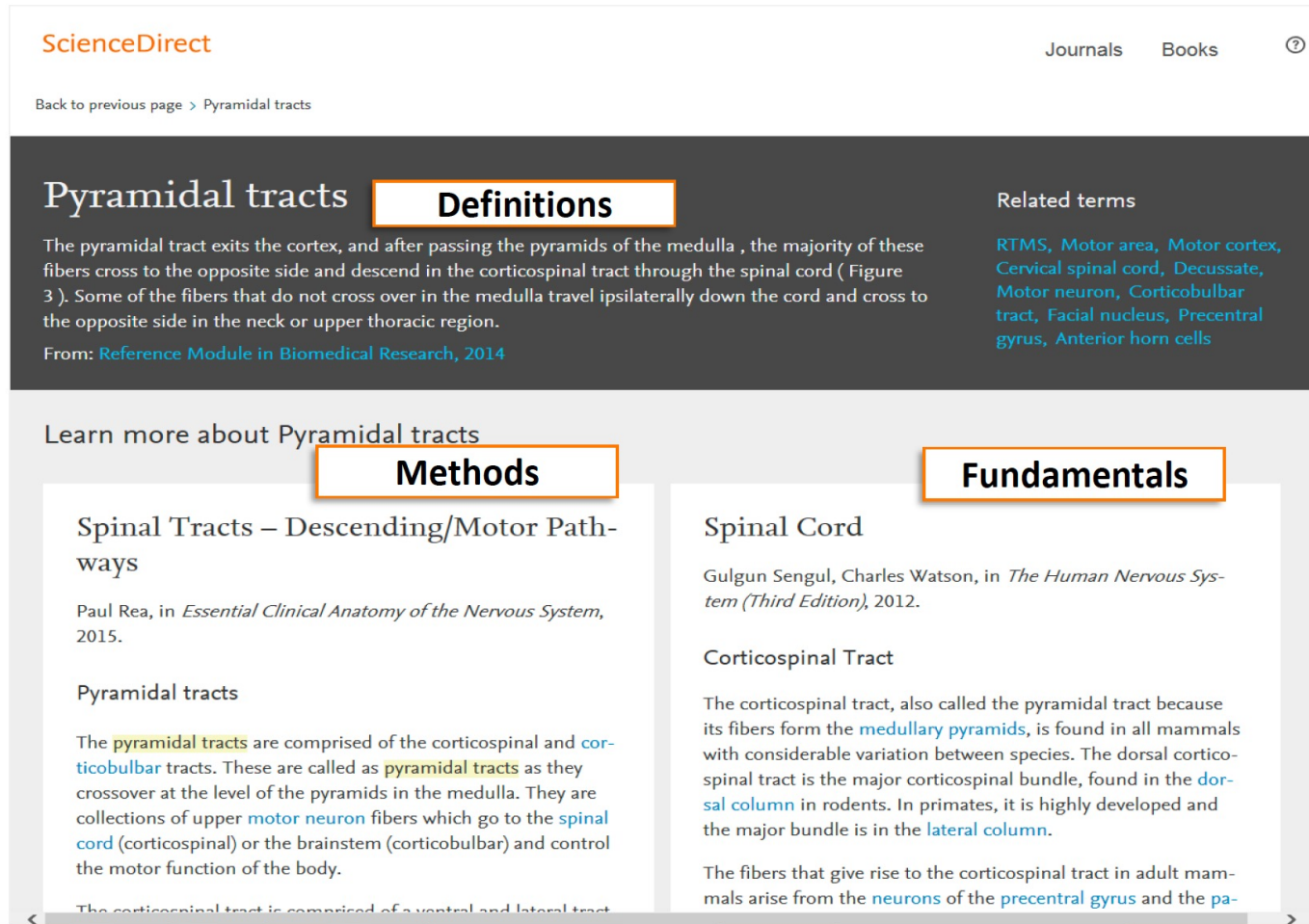
Regulation of K+ Excretion

Gerhard Malnic, Gerhard Giebisch, Shigeaki Muto, Wenhui Wang, Matthew A. Bailey, Lisa M. Satlin, in *Seldin and Giebisch's The Kidney (Fifth Edition)*, 2013.

K+ Secretion

ScienceDirect eBooks features: ScienceDirect Topics

Where Next?



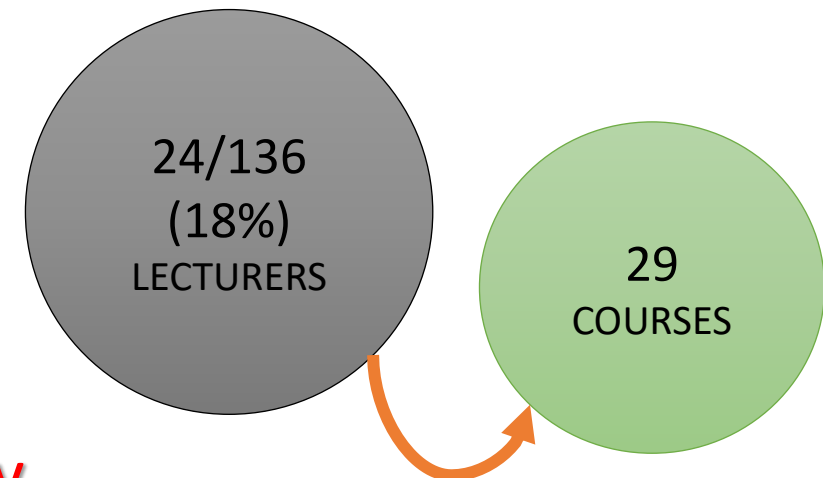
The screenshot shows the ScienceDirect interface for the topic 'Pyramidal tracts'. The page is annotated with orange boxes highlighting key sections:

- Definitions:** A box highlights the 'Definitions' section, which contains a paragraph describing the pyramidal tract's path and a citation: 'From: Reference Module in Biomedical Research, 2014'.
- Methods:** A box highlights the 'Methods' section, which includes a sub-section 'Spinal Tracts – Descending/Motor Pathways' with a citation: 'Paul Rea, in Essential Clinical Anatomy of the Nervous System, 2015.' Below this is a sub-section 'Pyramidal tracts' with a detailed description of the tract's composition and function.
- Fundamentals:** A box highlights the 'Fundamentals' section, which includes a sub-section 'Spinal Cord' with a citation: 'Gulgun Sengul, Charles Watson, in The Human Nervous System (Third Edition), 2012.' Below this is a sub-section 'Corticospinal Tract' with a detailed description of the tract's location and development.

Challenges

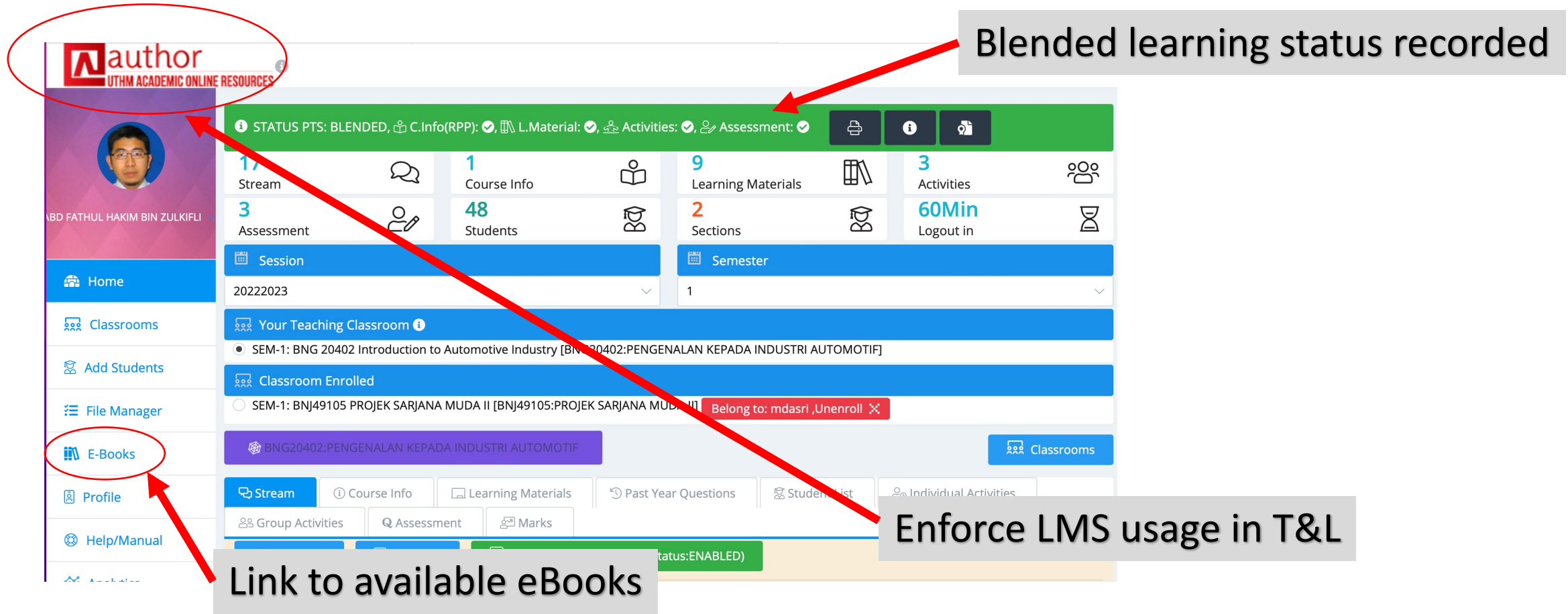
- 1** Age barrier:
Only young lecturer interested
- 2** New norm:
Lecturer preferred their ready material
- 3** Lack of creativity in T&L:
Need creativity in designing learning activity

eBook usage survey



Overcome Strategies

Enforce Blended Learning:
Our faculty KPI: 70%



The screenshot shows the 'author' LMS interface. A red circle highlights the 'author' logo and 'UTHM ACADEMIC ONLINE RESOURCES' text. A red arrow points from the 'E-Books' menu item in the left sidebar to the 'author' logo. Another red arrow points from the 'Blended learning status recorded' callout box to the 'STATUS PTS: BLENDED' text in the top green bar. A third red arrow points from the 'Enforce LMS usage in T&L' callout box to the 'Stream' button in the bottom navigation bar. A fourth red arrow points from the 'Link to available eBooks' callout box to the 'E-Books' menu item.

author
UTHM ACADEMIC ONLINE RESOURCES

STATUS PTS: BLENDED, C.Info(RPP): ✓, L.Material: ✓, Activities: ✓, Assessment: ✓

17	Stream	1	Course Info	9	Learning Materials	3	Activities
3	Assessment	48	Students	2	Sections	60Min	Logout in

Home
Classrooms
Add Students
File Manager
E-Books
Profile
Help/Manual

Session: 20222023
Semester: 1

Your Teaching Classroom
SEM-1: BNG 20402 Introduction to Automotive Industry [BNG20402:PENGENALAN KEPADA INDUSTRI AUTOMOTIF]

Classroom Enrolled
SEM-1: BNJ49105 PROJEK SARJANA MUDA II [BNJ49105:PROJEK SARJANA MUDA II] (Belong to: mdasri ,Unenroll ✕)

BNG20402:PENGENALAN KEPADA INDUSTRI AUTOMOTIF

Stream | Course Info | Learning Materials | Past Year Questions | Student List | Individual Activities | Group Activities | Assessment | Marks

status:ENABLED

Blended learning status recorded

Enforce LMS usage in T&L

Link to available eBooks

Overcome Strategies

Lesson plan:
Compulsory includes eBook references

Lesson Plan

<p>12 References (include required and further readings, and should be the most current (less than 5 years))</p>	<ol style="list-style-type: none"> 1. Sakthivel, R. et al (2019). Introduction to Automotive Engineering. John Wiley & Sons. https://app.knovel-com.ezproxy.uthm.edu.my/kn/resources/kplAE00013/toc?b-content-type=book&b-q=automotive&include_svnovms=no&q=automotive&sort_on=default 2. Xu Wang (2020). Automotive Tire Noise and Vibrations: Analysis, Measurement, and Simulation. Elsevier. https://www-sciencedirect-com.ezproxy.uthm.edu.my/book/9780128184097/automotive-tire-noise-and-vibrations 3. William B. Ribbens (2017). Understanding Automotive Electronics : An Engineering Perspective Elsevier. https://www-sciencedirect-com.ezproxv.uthm.edu.my/book/9780128104347/understanding-automotive-electronics 4. Paul Nieuwenhuis and Peter Wells (2003). The Automotive Industry and the Environment. Elsevier. https://www-sciencedirect-com.ezproxy.uthm.edu.my/book/9781855737136/the-automotive-industrv-and-the-environment 5. Huaihe Song et al (2022). Nanotechnology in the Automotive Industry: A volume in Micro and Nano Technologies. Elsevier. https://www-sciencedirect-com.ezproxv.uthm.edu.my/book/9780323905244/nanotechnology-in-the-automotive-industrv 6. Hua Zhao (2007). HCCI and CAI Engines for the Automotive Industry. Elsevier. https://www-sciencedirect-com.ezproxy.uthm.edu.my/book/9781845691288/hcci-and-cai-engines-for-the-automotive-industrv 7. Joseph P. Greene (2021). Automotive Plastics and Composites: Materials and Processing; A volume in Plastics Design Library. Elsevier. https://www-sciencedirect-com.ezproxv.uthm.edu.my/book/9780128180082/automotive-plastics-and-composites 8. Radhakanta Rana and Shiv Brat Singh (2017). Automotive Steels: Design, Metallurgy, Processing and Applications. Elsevier. https://www-sciencedirect-com.ezproxv.uthm.edu.my/book/9780081006382/automotive-steels 9. B. Ashok (2022). NOx Emission Control Technologies in Stationary and Automotive Internal Combustion Engines: Approaches Toward NOx Free Automobiles. Elsevier. https://www-sciencedirect-com.ezproxy.uthm.edu.my/book/9780128239551/nox-emission-control-
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- UNIVERSITI (SMPU)
- UTHM EXPERT MANAGEMENT
- SYSTEM (UEMAS)
- OPEN EDUCATIONAL RESOURCES

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Venue: Bilik Mesyuarat 1, Blok A, UTHM Kampus Pagoh.
Date: 28th November 2021 Time: 2.30pm

Speaker
Dr Benny Ang, Ph.D. (Pharmacology & Toxicology)
Platform Consultant – Southeast Asia, Elsevier ScienceDirect

PTTA

PROMOSI PTTA: LANGGANAN E-BUKU SCIEDIRECT DAN TRIAL BAGI SUBJEK ENERGY

MR Makluman Rasmi UTHM <info@uthm.edu.my>
Bcc: stafakademik@uthm.edu.my
Tuesday, 18 October 2022 at 1:35 PM

Assalamualaikum WBT dan Salam Sejahtera,
YBhg. Prof. Datuk / Dato' / Prof. / Tuan / Puan / Saudara / Saudari,

PROMOSI PTTA: LANGGANAN E-BUKU SCIEDIRECT DAN TRIAL BAGI SUBJEK ENERGY


Dengan segala hormatnya perkara di atas adalah dirujuk.

- Sukacita dimaklumkan bahawa Perpustakaan Tunku Tun Aminah (PTTA) telah melanggan pangkalan data e-Buku ScienceDirect. Pangkalan data ini menyediakan akses kepada lebih 9,000 judul e-buku terbitan Elsevier yang meliputi subjek Engineering, Materials Science dan Chemical Engineering.
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