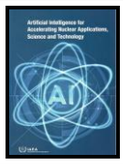
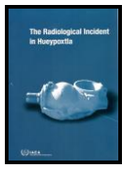
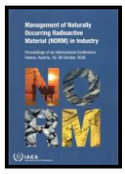
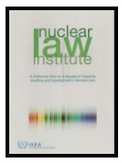
# SENARAI PEROLEHAN BAHAN PERPUSTAKAAN NUKLEAR MALAYSIA
# DISEMBER 2022

## KOLEKSI BUKU/MONOGRAF

| BIL | KULIT | JUDUL/PENGARANG | PENERBIT | TAHUN | ISBN | JUMLAH NASKHAH |
|---|---|---|---|---|---|---|
| 1 |  | IAEA Nuclear Energy Series No. NR-T-1.10 (Rev. 1): Nuclear Reactor Technology Assessment For Near Term Deployment | IAEA | 2022 | 978-92-0-121822-3 | 1 |
| 2 |  | IAEA Human Health Reports No. 17: Selecting Megavoltage Treatment Technologies in External Beam Radiotherapy | IAEA | 2022 | 978-92-0-116821-4 | 1 |
| 3 |  | GC(66)/INF/4 : Nuclear Technology Review 2022 : Report by the Director General | IAEA | 2022 | - | 1 |
| 4 |  | Artificial Intelligence for Accelerating Nuclear Applications, Science and Technology | IAEA | 2022 | 978-92-0-131522-9 | 1 |
| 5 |  | The Radiological Incident in Hueypoxtla | IAEA | 2022 | 978-92-0-136222-3 | 1 |
| 6 |  | Management of Naturally Occurring Radioactive Material (NORM) in Industry : Proceedings of an International Conference Vienna, Austria, 18-30 October 2020 | IAEA | 2022 | 978-92-0-120922-1 | 1 |
| 7 |  | IAEA Nuclear Safety and Security Glossary : Terminology Used in Nuclear Safety, Nuclear Security, Radiation Protection and Emergency Preparedness and Response : 2022 (Interim) Edition | IAEA | 2022 | 978-92-0-141822-7 | 1 |
| 8 |  | Nuclear Law Institute : A Collective View on a Decade of Capacity Building and Development in Nuclear Law | IAEA | 2022 | 978-92-0-135021-3 | 1 |
| 9 |  | 100 Hari Aspirasi #Keluarga Malaysia MOSTI | MOSTI | 2022 | 978-967-2741-04-6 | 1 |

# SENARAI PEROLEHAN BAHAN PERPUSTAKAAN NUKLEAR MALAYSIA DISEMBER 2022

## KOLEKSI BULLETIN/MAJALAH/JURNAL

| BIL | KULIT | JUDUL/BAHAN | PENERBIT | KELUARAN/ISU | | | | BIL/ NASKHAH |
|---|---|---|---|---|---|---|---|---|
| | | | | VOL | ISU | BULAN | TAHUN | |
| 1 |  | Dewan Ekonomi | Dewan Bahasa dan Pustaka | | Bil. 11 | Nov. | 2022 | 2 |
| 2 |  | Dewan Kosmik | Dewan Bahasa dan Pustaka | | Bil. 11 | Nov. | 2022 | 2 |
| 3 |  | Dewan Masyarakat | Dewan Bahasa dan Pustaka | | Bil. 11 | Nov. | 2022 | 2 |
| 4 |  | Dewan Tamadun Islam | Dewan Bahasa dan Pustaka | | Bil. 11 | Nov. | 2022 | 2 |
| 5 |  | Pelita Bahasa | Dewan Bahasa dan Pustaka | | Bil. 11 | Nov. | 2022 | 2 |
| 6 |  | Reader's Digest | Reader's Digest Asia | | | Nov. | 2022 | 2 |

## TERBITAN IAEA YANG TERKINI (DISEMBER 2022)

The IAEA is pleased to announce the publication of:

**Sustaining Operational Excellence at Nuclear Power Plants**

**IAEA Nuclear Energy Series No. NR-G-3.1**

Complementing existing standards and guides on the operational excellence of nuclear power plants, this publication supports leaders of owner/operating organizations by providing strategic responses to current business challenges and effective measures to sustain high performance levels. The publication considers activities that are under the control of the owner/operating organization as well as those that involve interaction with other stakeholders such as regulatory bodies, industry peers, international organizations, policy makers and academia.

STI/PUB/2014, 29 pp., 1 fig; 2022; ISBN: 978-92-0-126122-9, English, 14.00 Euro

The online version can be found here:

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## Experience in the Management of Radioactive Waste After Nuclear Accidents: A Basis for Preplanning

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Major accidents at a nuclear power plant or fuel cycle facility are rare but can produce large quantities of radioactive waste with widely varying characteristics that can be difficult to manage. Large volumes of radioactive waste can also be generated by accidents at military installations or by the mishandling high-activity-sealed radiation sources. In the case of a major accident, radioactive waste volumes may quickly overwhelm existing national management and disposal infrastructure. Appropriate disposal facilities might not be available to match the amounts or characteristics of the wastes. This publication is developed to support Member States efforts towards improved preparedness related to the management of radioactive waste in the event of a nuclear or radiological accident. It builds on experiences gained following historic accidents to develop lessons learned, which planners in governmental agencies and nuclear facilities are encouraged to consider in preplanning activities.
STI/PUB/2022, 179 pp., 64 figs; 2022; ISBN: 978-92-0-131122-1, English, 48.00 Euro

The online version can be found here:

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This publication examines the special characteristics of the pathophysiology of coronary artery disease (CAD) and its clinical presentation in women, which differ from those of men. While coronary obstruction and multi-vessel disease are more common in men, non-ischemic heart disease (IHD) best encompasses the spectrum of the disease in women. The publication provides a critical review of the existing literature, covering some general aspects of the disease as well as how to make a diagnosis/prognosis of IHD, both clinical and by means of cardiac imaging. The specific situation of cardiac imaging in the management of IHD in low- or middle-income countries is surveyed. In addition, reference is made to cardiotoxicity and radiotherapy-induced disease in breast cancer.
STI/PUB/1970, 45 pp., 14 figs; 2022; ISBN: 978-92-0-129722-8, English, 45.00 Euro

The online version can be found here:

Imaging of Ischemic Heart Disease in Women: A Critical Review of the Literature | IAEA

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## Management of Ageing and Obsolescence of Instrumentation and Control Systems and Equipment in Nuclear Power Plants and Related Facilities Through Modernization

### IAEA Nuclear Energy Series No. NR-T-3.34

Ageing of instrumentation and control (I&C) equipment at nuclear facilities has the potential to degrade mechanisms, which can in turn reduce safety margins and increase operating and maintenance costs. Obsolescence of I&C equipment can compound matters as suitable replacements become difficult to source. In 2019, the IAEA Technical Working Group on Nuclear Power Plant Instrumentation and Control acknowledged that relevant system and strategy guidance was required to implement modern technology at nuclear facilities. The purpose of this publication is to assist Member States in developing strategies to address ageing and obsolescence issues for I&C systems and it provides detail on modernization considerations and information from relevant recent operator experience. An appendix summarizes cable ageing management through condition monitoring, and several annexes describe Member States' practices and experience with I&C ageing management and modernization.
STI/PUB/2030, 114 pp., 37 figs; 2022; ISBN: 978-92-0-137522-3, English, 46.00 Euro

Electronic version can be found:

Management of Ageing and Obsolescence of Instrumentation and Control Systems and Equipment in Nuclear Power Plants and Related Facilities Through Modernization | IAEA

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## Maintenance, Testing, Surveillance and Inspection in Nuclear Power Plants

**IAEA Safety Standards Series No. SSG-74**

Written for use by operating organizations of nuclear power plants and regulatory bodies, this Safety Guide provides specific recommendations on maintenance, testing, surveillance and inspection to ensure that the levels of reliability and availability of all structures, systems and components important to safety remain in accordance with the assumptions and intent of the design, and also that the safety of the plant is not adversely affected after the commencement of operation. The publication covers the establishment and implementation of preventive and corrective maintenance programmes; testing surveillance and inspection; the repair of defective plant equipment; the provision of related facilities and equipment; procurement; and generating and retaining records of maintenance activities.

STI/PUB/2028; 89 pp.; 2022; ISBN: 978-92-0-136422-7, English, 44.00 Euro

Electronic version can be found:

Maintenance, Testing, Surveillance and Inspection in Nuclear Power Plants | IAEA

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## World Survey of Fusion Devices 2022 | IAEA

This publication provides a worldwide survey of public and private fusion devices with experimental and demonstration designs, which are currently in operation, under construction or being planned. It provides details such as the name of the device, its status, ownership, host country and organization, and does so for over 130 fusion devices. Information is given in the form of short descriptions of the device goals and main features. The publication is intended to complement the IAEA's online database of fusion devices – the Fusion Device Information System (FusDIS) and further elaborates the information available there. The objective of that database and this publication is to provide a global overview of fusion research and development activities from the perspective of device capabilities.

CRCP/FUS/001; 180 pp., 6 figs; 2022; ISBN: 978-92-0-143422-7, English, 40.00 Euro

Electronic version can be found:

World Survey of Fusion Devices 2022 | IAEA

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