MEMORANDUM OF UNDERSTANDING





MEMORANDUM OF UNDERSTANDING
between
Korea Maritime and Ocean University, KOREA
and
VNU University of Science
on
Collaboration in Research and Development for Renewable Energy and Environmental Technology

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This Memorandum of Understanding (hereinafter referred to as the "MOU") is made and entered on August 16, 2023, by and between Interdisciplinary Major of Ocean Renewable Energy Engineering ("Global R&E Program for Interdisciplinary Technologies of Ocean Renewable Energy (BK21 FOUR)") from Korea Maritime and Ocean University (hereinafter referred to as "KMOU"), as the one party, and Faculty of Chemistry from VNU University of Science (hereinafter referred to as "VNU-HUS"), as the other party, wishing to establish the cooperative relations between the two parties.

NOW, THEREFORE, in consideration of the mutual cooperation made hereinafter, referred to together as the "Parties", and individually as a "Party" hereby agree with the following general provisions and terms:

The Parties hereby agree as of the followings:

ARTICLE 1. Purpose of Memorandum

KMOU and VNU-HUS (hereinafter referred to as "the Parties") shall hereafter jointly promote a partnership with the objective of contributing to the advancement of scientific research and technological development in the area of renewable energy and environmental technology and having cooperative relationship in areas of mutual interests.

ARTICLE 2. Basic Principle and Scope of Cooperation

Whereas the Parties agree to strengthen and promote research collaboration for their mutual interests based on the principle of equal rights and mutual advantages, therefore, both Parties agree to establish and implement cooperation within the followings areas:

a) Renewable energy,
b) Environmental technology,
c) R&D activities to cooperate in project partnerships,
d) Exchange of technical information and experience,
e) Student exchange program.

ARTICLE 3. Obligations

This MOU does not carry any legal obligation to each party. This MOU does not prevent each party from performing any other forms of collaboration with other parties.

ARTICLE 4. Funding and Payment

The agreement does not specify any financial conditions to each party. Financial arrangements for any collaborative activities will be defined in a separate agreement for each activity.

ARTICLE 5. Intellectual Property Right

The ownership of intellectual property right arising out of pursuant to any articles or activities under this MOU shall be determined on a mutual property sharing in any research and development or value adding purposes, in accordance with the applicable project contracts, and international principles.

ARTICLE 6. Confidentiality

Each Party shall be obligated not to disclose any proprietary information of the other Party or any confidential information pertaining to the cooperation to any third parties, without the prior written consent

from the owner of the confidential information in question.

ARTICLE 7. Amendments

This MOU may be altered or modified as may be required by a mutual written consent of the Parties.

ARTICLE 8. Settlement and Disputes

Any differences and disputes arising in the interpretation and/or application of this MOU shall be settled by negotiations and/or consultations in the spirit of trust and understanding in consonance with the friendship and cooperation that exist between the Parties.

ARTICLE 9. Term and Termination

This MOU shall be enforced on the date of signature and shall remain in effect for 3 year-period unless it may be terminated by the both Parties or either Party giving a 6-month written notice to the other Party. This MOU may be terminated at any time by mutual agreement of both Parties. The termination of this MOU shall not affect the cooperation, under Article 1 and 2 which are already in progress, and the confidential information under Article 6.

In addition, the MOU shall be extended at least one (1) month before the expiration of the term by the mutual written consent of the Parties.

ARTICLE 10. Communication

Details, not mentioned in this agreement, shall be settled by separate discussions afterward.

IN WITNESS WHEREOF, the Parties hereto have signed this MOU in 2 original copies in English on the date herein below indicated.

Executed August 16, 2023

For and on behalf of Interdisciplinary Major of Ocean Renewable Energy Engineering
Global R&E Program for Interdisciplinary Technologies of Ocean Renewable Energy (BK21 FOUR)
College of Ocean Science and Engineering
Korea Maritime and Ocean University
727, Taejong-ro, Yeongdo-gu,
Busan, Republic of Korea

Director of the BK21 FOUR Kyu-Jung Chae

For and on behalf of Faculty of Chemistry
Faculty of Chemistry
VNU University of Science,
334 D. Nguyen Trai, Thanh Xuan Trung, Thanh Xuan,
Hanoi, Vietnam

PGS.TS. Nguyễn Minh Ngọc

MEMORANDUM OF UNDERSTANDING





MEMORANDUM OF UNDERSTANDING
between
Korea Maritime and Ocean University, KOREA
and
Hanoi University of Science and Technology, Vietnam
on
Collaboration in Research and Development for Renewable Energy and Environmental Technology

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This Memorandum of Understanding (hereinafter referred to as the "MOU") is made and entered on August 11, 2023, by and between Interdisciplinary Major of Ocean Renewable Energy Engineering ("Global R&E Program for Interdisciplinary Technologies of Ocean Renewable Energy (BK21 FOUR)") from Korea Maritime and Ocean University (hereinafter referred to as "KMOU"), as the one party, and Department of Environmental Management ("Center for Research and Development of Technology and Environmental Management") from Hanoi University of Science and Technology (hereinafter referred to as "HUST"), as the other party, wishing to establish the cooperative relations between the two parties.

NOW, THEREFORE, in consideration of the mutual cooperation made hereinafter, referred to together as the "Parties", and individually as a "Party" hereby agree with the following general provisions and terms:

The Parties hereby agree as of the followings:

ARTICLE 1. Purpose of Memorandum

KMOU and Hanoi University of Science and Technology (hereinafter referred to as "the Parties") shall hereafter jointly promote a partnership with the objective of contributing to the advancement of scientific research and technological development in the area of renewable energy and environmental technology and having cooperative relationship in areas of mutual interests.

ARTICLE 2. Basic Principle and Scope of Cooperation

Whereas the Parties agree to strengthen and promote research collaboration for their mutual interests based on the principle of equal rights and mutual advantages, therefore, both Parties agree to establish and implement cooperation within the following areas:

a) Renewable energy,
b) Environmental technology,
c) Membrane fouling mitigation process,
d) R&D activities to cooperate in project partnerships,
e) Exchange of technical information and experience,

ARTICLE 3. Obligations

This MOU does not carry any legal obligation to each party. This MOU does not prevent each party from performing any other forms of collaboration with other parties.

ARTICLE 4. Funding and Payment

The agreement does not specify any financial conditions to each party. Financial arrangements for any collaborative activities will be defined in a separate agreement for each activity.

ARTICLE 5. Intellectual Property Right

The ownership of intellectual property right arising out of pursuant to any articles or activities under this MOU shall be determined on a mutual property sharing in any research and development or value adding purposes, in accordance with the applicable project contracts, and international principles.

ARTICLE 6. Confidentiality

Each Party shall be obligated not to disclose any proprietary information of the other Party or any

confidential information pertaining to the cooperation to any third parties, without the prior written consent from the owner of the confidential information in question.

ARTICLE 7. Amendments

This MOU may be altered or modified as may be required by a mutual written consent of the Parties.

ARTICLE 8. Settlement and Disputes

Any differences and disputes arising in the interpretation and/or application of this MOU shall be settled by negotiations and/or consultations in the spirit of trust and understanding in consonance with the friendship and cooperation that exist between the Parties.

ARTICLE 9. Term and Termination

This MOU shall be enforced on the date of signature and shall remain in effect for 3 year-period unless it may be terminated by the both Parties or either Party giving a 6-month written notice to the other Party. This MOU may be terminated at any time by mutual agreement of both Parties. The termination of this MOU shall not affect the cooperation, under Article 1 and 2 which are already in progress, and the confidential information under Article 6.

In addition, the MOU shall be extended at least one (1) month before the expiration of the term by the mutual written consent of the Parties.

ARTICLE 10. Communication

Details, not mentioned in this agreement, shall be settled by separate discussions afterward.

IN WITNESS WHEREOF, the Parties hereto have signed this MOU in 2 original copies in English on the date herein below indicated.

Executed August 11, 2023

For and on behalf of Interdisciplinary Major of Ocean Renewable Energy Engineering
Global R&E Program for Interdisciplinary Technologies of Ocean Renewable Energy (BK21 FOUR)
College of Ocean Science and Engineering
Korea Maritime and Ocean University
727, Taejong-ro, Yeongdo-gu,
Busan, Republic of Korea

Director of the BK21 FOUR Kyu-Jung Chae

For and on behalf of (Center for Research and Development of Technology and Environmental Management)
Department of Environmental Management
School of Environmental Science and Technology
Hanoi University of Science and Technology
No. 1 Dai Co Viet, Hai Ba Trung, Hanoi, Vietnam

Professor Nguyen Thuy Chung

MEMORANDUM OF UNDERSTANDING

MEMORANDUM OF UNDERSTANDING
between
Korea Maritime and Ocean University, KOREA
and
Hanoi University of Mining and Geology
on
Collaboration in Research and Development for Renewable Energy and Environmental Technology

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This Memorandum of Understanding (hereinafter referred to as the "MOU") is made and entered on July 10, 2023, by and between Interdisciplinary Major of Ocean Renewable Energy Engineering ("Global R&E Program for Interdisciplinary Technologies of Ocean Renewable Energy (BK21 FOUR)") from Korea Maritime and Ocean University (hereinafter referred to as "KMOU"), as the one party, and Hanoi University of Mining and Geology (hereinafter referred to as "HUMG"), as the other party, wishing to establish the cooperative relations between the two parties.

NOW, THEREFORE, in consideration of the mutual cooperation made hereinafter, referred to together as the "Parties", and individually as a "Party" hereby agree with the following general provisions and terms:

The Parties hereby agree as of the followings:

ARTICLE 1. Purpose of Memorandum

KMOU and HUMG (hereinafter referred to as "the Parties") shall hereafter jointly promote a partnership with the objective of contributing to the advancement of scientific research and technological development in the area of renewable energy and environmental technology and having cooperative relationship in areas of mutual interests.

ARTICLE 2. Basic Principle and Scope of Cooperation

Whereas the Parties agree to strengthen and promote research collaboration for their mutual interests based on the principle of equal rights and mutual advantages, therefore, both Parties agree to establish and implement cooperation within the followings areas:

a) Renewable energy,
b) Environmental technology,
c) R&D activities to cooperate in project partnerships,
d) Exchange of technical information and experience,
e) Student exchange program.

ARTICLE 3. Obligations

This MOU does not carry any legal obligation to each party. This MOU does not prevent each party from performing any other forms of collaboration with other parties.

ARTICLE 4. Funding and Payment

The agreement does not specify any financial conditions to each party. Financial arrangements for any collaborative activities will be defined in a separate agreement for each activity.

ARTICLE 5. Intellectual Property Right

The ownership of intellectual property right arising out of pursuant to any articles or activities under this MOU shall be determined on a mutual property sharing in any research and development or value adding purposes, in accordance with the applicable project contracts, and international principles.

ARTICLE 6. Confidentiality

Each Party shall be obligated not to disclose any proprietary information of the other Party or any confidential information pertaining to the cooperation to any third parties, without the prior written consent

from the owner of the confidential information in question.

ARTICLE 7. Amendments

This MOU may be altered or modified as may be required by a mutual written consent of the Parties.

ARTICLE 8. Settlement and Disputes

Any differences and disputes arising in the interpretation and/or application of this MOU shall be settled by negotiations and/or consultations in the spirit of trust and understanding in consonance with the friendship and cooperation that exist between the Parties.

ARTICLE 9. Term and Termination

This MOU shall be enforced on the date of signature and shall remain in effect for 3 year-period unless it may be terminated by the both Parties or either Party giving a 6-month written notice to the other Party. This MOU may be terminated at any time by mutual agreement of both Parties. The termination of this MOU shall not affect the cooperation, under Article 1 and 2 which are already in progress, and the confidential information under Article 6.

In addition, the MOU shall be extended at least one (1) month before the expiration of the term by the mutual written consent of the Parties.

ARTICLE 10. Communication

Details, not mentioned in this agreement, shall be settled by separate discussions afterward.

IN WITNESS WHEREOF, the Parties hereto have signed this MOU in 2 original copies in English on the date herein below indicated.

Executed July 10, 2023

For and on behalf of Interdisciplinary Major of Ocean Renewable Energy Engineering
Global R&E Program for Interdisciplinary Technologies of Ocean Renewable Energy (BK21 FOUR)
College of Ocean Science and Engineering
Korea Maritime and Ocean University
727, Taejong-ro, Yeongdo-gu,
Busan, Republic of Korea

Director of the BK21 FOUR
Kyu-Jung Chae

For and on behalf of Hanoi University of Mining and Geology
18 Vien street, Duc Thang, Bac Tu Liem,
Hanoi, Vietnam

Rector
Professor Tran Thanh Hai

MEMORANDUM OF UNDERSTANDING





MEMORANDUM OF UNDERSTANDING
between
College of Ocean Science and Engineering, Korea Maritime and Ocean University, KOREA
and
School of Materials Science and Engineering, Hanoi University of Science and Technology, VIETNAM
on
Collaboration in Research and Development for Advanced materials, Renewable Energy and Environmental Technology

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This Memorandum of Understanding (hereinafter referred to as the "MOU") is made and entered on August 16, 2023, by and between College of Ocean Science and Engineering from Korea Maritime and Ocean University (hereinafter referred to as "KMOU"), as the one party, and School of Materials Science and Engineering from Hanoi University of Science and Technology (hereinafter referred to as "HUST"), as the other party, wishing to establish the cooperative relations between the two parties.

NOW, THEREFORE, in consideration of the mutual cooperation made hereinafter, referred to together as the "Parties", and individually as a "Party" hereby agree with the following general provisions and terms:

The Parties hereby agree as of the followings:

ARTICLE 1. Purpose of Memorandum

College of Ocean Science and Engineering, KMOU and School of Materials Science and Engineering, HUST (hereinafter referred to as "the Parties") shall hereafter jointly promote a partnership with the objective of contributing to the advancement of scientific research and technological development in the area of advanced materials, renewable energy and environmental technology in framwork of Global R&E Program for Interdisciplinary Technologies of Ocean Renewable Energy (BK21 FOUR) and having cooperative relationship in areas of mutual interests.

ARTICLE 2. Basic Principle and Scope of Cooperation

Whereas the Parties agree to strengthen and promote research collaboration for their mutual interests based on the principle of equal rights and mutual advantages, therefore, both Parties agree to establish and implement cooperation within the followings areas:

a) Renewable energy and advanced materials,
b) Environmental technology,
c) R&D activities to cooperate in project partnerships,
d) Exchange of technical information and experience,
e) Student, and faculty exchange program,
f) Organizing conferences and symposia,
g) Promoting other academic cooperation as mutually agreed

ARTICLE 3. Obligations

This MOU does not carry any legal obligation to each party. This MOU does not prevent each party from performing any other forms of collaboration with other parties.

ARTICLE 4. Funding and Payment

The agreement does not specify any financial conditions to each party. Financial arrangements for any collaborative activities will be defined in a separate agreement for each activity.

ARTICLE 5. Intellectual Property Right

Research results and benefits generated from collaborative tasks under this agreement will be mutually consulted and agreed in writing by the Parties as appropriate for the protection and allocation of assets and property rights intellectually consistent with the objective of this agreement.

ARTICLE 6. Confidentiality

Each Party shall be obligated not to disclose any proprietary information of the other Party or any confidential information pertaining to the cooperation to any third parties, without the prior written consent from the owner of the confidential information in question.

ARTICLE 7. Amendments

This MOU may be altered or modified as may be required by a mutual written consent of the Parties.

ARTICLE 8. Settlement and Disputes

Any differences and disputes arising in the interpretation and/or application of this MOU shall be settled by negotiations and/or consultations in the spirit of trust and understanding in consonance with the friendship and cooperation that exist between the Parties.

ARTICLE 9. Term and Termination

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In addition, the MOU shall be extended at least one (1) month before the expiration of the term by the mutual written consent of the Parties.

ARTICLE 10. Communication

Details, not mentioned in this agreement, shall be settled by separate discussions afterward.

IN WITNESS WHEREOF, the Parties hereto have signed this MOU in 2 original copies in English on the date herein below indicated.

Executed August 16, 2023

College of Ocean Science and Engineering
Korea Maritime and Ocean University
727, Taejong-ro, Yeongdo-gu,
Busan, Republic of Korea

Sunho Park

Dean Sunho Park

SMSE

Dean Huynh Trung Hai

School of Materials Science and Engineering
Hanoi University of Science and Technology
1 Dai Co Viet,
Hanoi, Viet Nam