

PROGRAM of WVSP2021 and PolVietSym2021

*The two onsite meetings are in the lecture hall 110N and 111N
for the participants who are present in Cracow.*

All presentations will be shown online.

The link for online meetings will be sent to the registered participants

Saturday, November 20, 2021		
	Opening Session Lecture hall 110N. Online meeting: Enter here Chairmen: Hoa Kim Ngan Nhu-Tarnawska, Mai Suan Li, Andrzej Kornaś	
10:00-10:15	Welcome address Honorary guests of WVSP2021: Robert Stawarz , Vice-Rector of the Pedagogical University of Cracow Doan Dinh Phuong , Director of the Institute of Materials Science, Vietnam Academy of Science and Technology, Hanoi, Vietnam Dawid Nałęcz , Vice-Director of Institute of Physics, Pedagogical University of Cracow Tran The Hung , Director of the Institute of Agriculture and Environment, Quang Binh University, Vietnam	
	Session 1: <i>Science and Culture</i> Lecture hall 110N. Online meeting: Enter here Chairwoman: Hoa Kim Ngan Nhu-Tarnawska	
10:15-11:00	Ladislav Havela <i>Hydrogen storage in metal hydrides – fundamental principles meet practical life</i> PL-1	
11:00-11:30	Nguyen Thi Thu Thuy <i>The values in Vietnamese Mother Worship</i> I-1	
11:30-11:50	Coffee/tea break	
	Session 2A <i>Materials Science</i> Lecture hall 110N Online meeting: Enter here Chairman: Tran Vinh Hung	Session 2B <i>Natural Science-1</i> Lecture hall 111N. Online meeting: Enter here Chairman: Ladia Havela
11:50-12:20	Thi Ngoc Anh Nguyen <i>I/f noise characterization of MgO-based magnetoresistive sensors enable a noise-based technique for detecting of weak magnetic signals</i> I-2	Ewa Durska <i>The power of plants – application of fossil spores and pollen grains in geology</i> I-4
12:20-12:30	Hue Thi Nguyen <i>Effective generation of optical vortex beams using flat-surface</i>	Thiep Vo Van <i>Assessment of the risk of Lead exposure when consuming Siganus</i>

	<i>nanostructured gradient index component and its developments</i> O-01	<i>fuscescens (Houttuyn, 1782) in the coastal of Quang Binh, Vietnam</i> O-07
12:30-12:40	Thi Hong Quan Vu <i>Investigation of spectroscopic properties of Ba_2MgMoO_6 double perovskite doped with Eu^{3+}</i> O-02	Thi Hoang Ha Truong <i>Effects of mulch C/N ratio and decomposition stage on plant N uptake and N availability in soil with or without wheat straw incorporation</i> O-08
12:40-12:50	Hong Hanh Cong <i>Green synthesis silver nanoparticles using <i>Syzygium nervosum</i> aqueous leaf extract</i> O-03	Thanh Le Hai <i>Sustainable promotion of cultural landscape values in the Son river basin, Quang Binh, Vietnam</i> O-09
12:50-13:00	Thi Thu Ha Nguyen <i>Ab-initio study of the magnetic properties of the double perovskites $A_2MM'O_6$ compounds, where A = alkaline earth or rare-earth metal, and M, M' = transition metals</i> O-04	Yen Tran Thi <i>Research on the reproductive characteristics of the blood cockle (<i>Anadara granosa</i>) in the coastal areas of Quang Binh province</i> O-10
13:00-14:00	Lunch break	
	Session 3A Natural Science-2 Lecture hall 110N <u>Online meeting: Enter here</u> Chairman: Mai Suan Li	Session 3B Biology Lecture hall 111N <u>Online meeting: Enter here</u> Chairman: Andrzej Kornaś
14:00-14:30	Hung Son Nguyen <i>Ethical AI - Principles and difficulties</i> I-3	Agnieszka Czyżowska <i>The role of lipid peroxidation in skeletal muscle atrophy and weakness in aging</i> I-5
14:30-14:40	Thang Do <i>New study on the age of tertiary sediments in the Yen Bai basin (Northern Vietnam) based on palynological analysis</i> O-05	Barbara Dyba <i>Specific methods for studying the interaction between cell membrane and environment under stressful conditions</i> O-11
14:40-14:50	N.-T.H. Kim-Ngan <i>MeV ion-beam for analysis and modifications of materials: the crystallinity and stability of the Fe_3O_4-based thin films</i> O-06	Magdalena Skórka <i>Evaluation of manganese as a stress factor in plant cells</i> O-12
14:50-15:20	e-Posters-1 <i>online 3 min.-3 slide presentation</i> P-01, P-02, P-03, P-04, P-05, P-06, P-07, P-08.	e-Posters-2 <i>online 3 min.-3 slide presentation</i> P-09, P-10, P-11, P-12, P-13, P-14, P-15, P-16.

Sunday, November 21, 2021		
	Session 4 <i>Biophysics</i> Lecture hall 110N <u>Online meeting: Enter here</u> Chairman: Mai Suan Li	
10:00-10:45	Dinh Xuan Anh Tuan <i>SARS-CoV-2 and COVID-19: a deadly journey from genes mutations to cytokine storms</i> PL-2	
10:45-10:50	5 minutes break	
	Session 5A <i>Biophysics and Physics</i> Lecture hall 110N <u>Online meeting: Enter here</u> Chairman: Mai Suan Li	Session 5B <i>Physics</i> Lecture hall 111N <u>Online meeting: Enter here</u> Chairman: Tran Quoc Tien
10:50-11:20	Trinh Xuan Hoang <i>Protein escape at the ribosomal exit tunnel: Insights from simple models</i> I-6	Artur Błachowski <i>Mössbauer studies of iron-based superconductors</i> I-8
11:20-11:30	Hung Nguyen <i>Electrostatic interactions explain the higher binding affinity of the CR3022 antibody for SARS-CoV-2 than the 4A8 antibody</i> O-13	Van Long Le <i>Temperature dependence of anisotropic dielectric tensor of single-crystal α-SnS</i> O-17
11:30-11:40	Mattia Longobucco <i>Study of all-optical switching of 1560 nm femtosecond pulses using soft glass dual-core fibers</i> O-14	Jacek Gatlik <i>The mass problem in effective description of soliton motion</i> O-18
11:40-11:50	Sylwia Sowa <i>Superconductivity and structure of selected 5f and (3-5)d metals and their hydrides</i> O-15	e-Posters-3 (11:40-10:55) online 3 min.-3 slide presentation P-17, P-18, P-19, P-20.
11:50-12:10	Coffee/tea break	
	Session 6A <i>Science and life-1</i> Lecture hall 110N <u>Online meeting: Enter here</u> Chairman: Dawid Nalęcz	Session 6B <i>Science and life-2</i> Lecture hall 111N <u>Online meeting: Enter here</u> Chairman: Vo Van Thiep
12:10-12:40	Phan Anh Tu <i>Sustainable development for the Khmer community in Mekong delta (Vietnam) in the globalization context</i> I-7	Zbigniew Tarnawski <i>Diet guideline, is it an evidence - based science or food industry advertisement?</i> I-9
12:40-12:50	Nguyen Phuong Nhung <i>A protein network for the</i>	Anna Kocoń <i>A review of ticks in Cracow,</i>

	<i>prioritization of telomere interacting oncogenes associated with non-small cell lung cancer</i> O-16	<i>Poland's most popular tourist city</i> O-19
12:50-13:00	e-Posters-4 <i>online 3 min.-3 slide presentation</i> P-21, P-22.	Sylvia Koczanowicz <i>The risk of tick attacks Ixodes ricinus (Linnaeus, 1758) on selected tourist trails and educational-environmental paths in the Poprad landscape park</i> O-20
13:00-13:05	<i>5 minutes break</i>	
	Special session: The first annual prize “Creative Youth” Lecture hall 110N <u>Online meeting: Enter here</u> Chairmen: Tran Anh Tuan, Le Xuan Lam	
13:05-13:15	Mai Suan Li <i>Awarding the prize of Vietnam Association of Science and Technology in Poland for the Young Scientists having the best achievement during the last 5 years 2016-2021.</i>	
13:15-13:25	Presentation of the first laureate: <i>Summary of the achievements</i> SO-1	
13:25-13:35	Presentation of the second laureate: <i>Summary of the achievements</i> SO-2	
13:35-13:45	Summary and Closing Lecture hall 110N <u>Online meeting: Enter here</u> Chairmen: Mai Suan Li, Hoa Kim Ngan Nhu-Tarnawska, Andrzej Kornaś	
	Summary (Mai Suan Li)	
	Statistics (Kim Nhu-Tarnawska)	
	Closing (Andrzej Kornaś)	
13:45-14:30	On-line round-table discussion	

PL - Plenary lecture
O - Oral talk
SO - Special oral talk

I - Invited talk
P – Poster

e-Posters <i>online 3 minute-3 slide presentation</i>		
poster	Presenting author	Title
P-01	Quan Dau	<i>The fixed point theorem in a banach space Endowed with a digraph</i>
P-02	Thi Ly Mai	<i>First-principle study of electronic properties of superconducting β-IrSn₄</i>
P-03	Nguyen Ngoc Anh	<i>Synthesis and characterization of thermal conductivity of nanofluids based on Ag decoreated CNTs-graphene hybrid materials</i>
P-04	Nguyen Thi Mai	<i>Size-dependent geometric, electronic and H₂ adsorption properties of Ag_nCr (n=1-12) clusters</i>
P-05	Manh Xuan Vu	<i>Real-time, continuous-flow determination of the magnetic nanoparticles concentration by modified-GMR sensor</i>
P-06	Hoang Thien Ly	<i>Sickest-first policy and predictive models for liver transplant candidates in the US</i>
P-07	Nguyen Thi Bich Lien	<i>Design a website for looking up diplomas and certificates on the website qbu.edu.vn</i>
P-08	Cong Ngoc Phan	<i>Change in electrical conductivity of river water due to the impact of small-scale hydroelectric system. Case study: Nida river, Poland</i>
P-09	Le Dang Huy	<i>Combined ligand-based and structure-based virtual screening approach and molecular dynamics simulation of SARS-CoV-2 protease (Mpro and PLpro) for identifying antiviral inhibitors against SARS-CoV-2</i>
P-10	Le-Quang Bao	<i>A simple rule-based approach for designing novel dual-target AChE and BACE1 inhibitors as anti-Alzheimer agents</i>
P-11	Le Khanh Vu	<i>Indication of soil water table of forest biogeocenosis of the Leningrad region using scales L. G. Ramensky</i>
P-12	Nguyen Thi Tuan Diep	<i>Production of sodium hypochlorite by direct electrolysis of seawater with OIPTA + TA electrode</i>
P-13	Phan Nu Y Anh	<i>Factors affecting ecotourism development of Hac Hai lagoon, Quang Binh province</i>
P-14	Ly Tuong Tran	<i>Highly enhanced adsorption for the removal of Ag (I) from aqueous solution by Mercaptoethylamine functionalized vermiculites</i>
P-15	Nhung Hoang Thi Tuyet	<i>Evaluation of the immunostimulating effect of Milnavir capsules on experimental animals</i>
P-16	Ngan Nguyen Hoang	<i>Evaluation of regulating effect on exogenous dyslipidemia of capsules prepared from fermented Allium sativum, Hibiscus sabdariffa, Gynostemma pentaphyllum and Alisma plantago aquatica on white rats</i>
P-17	Bui Thi Hoa	<i>Transition metal (Co, Ni, Fe)-based materials -superior electrocatalyst for water splitting</i>
P-18	Ke Son Phan	<i>Co-loading of nanosilver and nanoemulsion antibiotics plant-based Allium sativum extract in alginate/carboxyl methylcellulose carrier for antibacterial activity</i>

P-19	Le Thi Quynh Xuan	<i>Degradation of methyl blue by an approach using plasma jet processing</i>
P-20	Michal Stawarz	<i>Locally anisotropic field in polydispersed composites after FSP modification</i>
P-21	Hoang Phuong Thao	<i>Administrative reform below the Minh Menh dynasty (1820 - 1840)</i>
P-22	Joanna Mostowska	<i>Indo-Himalayan protected areas: mountain tourism</i>

Krakow time to several places' time conversion in November 2021

Oklahoma, USA -6	Kraków (CET)	Petersburg, Russia +2	Novocherkassk, Russia +2	VietNam (ICT) +6	Adelaide, Australia +9:30
4:00	10:00	12:00	12:00	16:00	19:30
8:00	14:00	16:00	16:00	20:00	23:30