

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 by email.

Saturday, November 20, 2021 All hours are given in CET (GMT+1).		
	Opening Session Lecture hall 110N. <u>Online meeting: Enter here</u> 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 Nałecz , 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. <u>Online meeting: Enter here</u> 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	<i>Coffee/tea break</i>	
	Session 2A <i>Materials Science</i> Lecture hall 110N <u>Online meeting: Enter here</u> Chairman: Tran Vinh Hung	Session 2B <i>Natural Science-1</i> Lecture hall 111N. <u>Online meeting: Enter here</u> 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</i>	Thiep Vo Van <i>Assessment of the risk of Lead</i>

	<p><i>vortex beams using flat-surface nanostructured gradient index component and its developments</i></p> <p>O-01</p>	<p><i>exposure when consuming <i>Siganus fuscescens</i> (Houttuyn, 1782) in the coastal of Quang Binh, Vietnam</i></p> <p>O-07</p>
12:30-12:40	<p>Thi Hong Quan Vu <i>Investigation of spectroscopic properties of Ba₂MgMoO₆ double perovskite doped with Eu³⁺</i></p> <p>O-02</p>	<p>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></p> <p>O-08</p>
12:40-12:50	<p>Hong Hanh Cong <i>Green synthesis silver nanoparticles using <i>Syzygium nervosum</i> aqueous leaf extract</i></p> <p>O-03</p>	<p>Thanh Le Hai <i>Sustainable promotion of cultural landscape values in the Son river basin, Quang Binh, Vietnam</i></p> <p>O-09</p>
12:50-13:00	<p>Thi Thu Ha Nguyen <i>Ab-initio study of the magnetic properties of the double perovskites A₂MM'O₆ compounds, where A = alkaline earth or rare-earth metal, and M, M' = transition metals</i></p> <p>O-04</p>	<p>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></p> <p>O-10</p>
13:00-14:00	Lunch break	
	<p>Session 3A <i>Natural Science-2</i> Lecture hall 110N <u>Online meeting: Enter here</u> Chairman: Mai Suan Li</p>	<p>Session 3B <i>Biology</i> Lecture hall 111N <u>Online meeting: Enter here</u> Chairman: Andrzej Kornaś</p>
14:00-14:30	<p>Hung Son Nguyen <i>Ethical AI - Principles and difficulties</i></p> <p>I-3</p>	<p>Agnieszka Czyżowska <i>The role of lipid peroxidation in skeletal muscle atrophy and weakness in aging</i></p> <p>I-5</p>
14:30-14:40	<p>Thang Do <i>New study on the age of tertiary sediments in the Yen Bai basin (Northern Vietnam) based on palynological analysis</i></p> <p>O-05</p>	<p>Barbara Dyba <i>Specific methods for studying the interaction between cell membrane and environment under stressful conditions</i></p> <p>O-11</p>
14:40-14:50	<p>N.-T.H. Kim-Ngan <i>MeV ion-beam for analysis and modifications of materials: the crystallinity and stability of the Fe₃O₄-based thin films</i></p> <p>O-06</p>	<p>Magdalena Skórka <i>Evaluation of manganese as a stress factor in plant cells</i></p> <p>O-12</p>
14:50-15:20	<p>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.</p>	<p>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.</p>

<p align="center">Sunday, November 21, 2021 All hours are given in CET (GMT+1).</p>		
	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 SARS-CoV-2 and COVID-19: <i>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	Sylvia 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 Nałęcz	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 prioritization of telomere interacting oncogenes associated with non-small cell lung cancer</i> O-16	Anna Kocoń <i>A review of ticks in Cracow, 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	5 minutes break	
	Special session: The first annual prize “Creative Youth” Lecture hall 110N Online meeting: Enter here 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 Online meeting: Enter here 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 decorated 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>

Conversion of Krakow time (CET) to several places in November 2021

Oklahoma, USA -6	Kraków (CET)	Petersburg, Russia +2	Novocherkassk, Russia +2	VietNam +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