



- POSTER-1 *J. Adamczyk*  
EFFECT OF MICROWAVE POWER ON EPR SPECTRA OF DENTAL BIOMATERIALS
- POSTER-2 *J. Adamczyk*  
FREE RADICALS IN UV IRRADIATED NATURAL DENTAL BIOMATERIALS
- POSTER-3 *J. Adamczyk*  
APPLICATION OF EPR SPECTROSCOPY TO EXAMINE PARAMAGNETIC CENTERS IN NATURAL DENTAL BIOMATERIALS
- POSTER-4 *P. Aleshkevych*  
SINGLE CRYSTAL EPR SPECTROSCOPY OF NOVEL MONO- AND MULTINUCLEAR Cu(II) COORDINATION POLYMERS
- POSTER-5 *A. Zalewska*  
COPPER (II) IMIDAZOLATE FRAMEWORKS
- POSTER-6 *A. Bugaj*  
BADANIA EPR SYNTETYCZNYCH WĘGLANÓW WAPNIA ZNAKOWANYCH WĘGLEM <sup>13</sup>C
- POSTER-7 *Z. Kabacińska*  
SIZE AND MORPHOLOGY OF CALCITE PARTICLES: EPR OF DEFECTS GENERATED BY  $\gamma$  AND UV RADIATION
- POSTER-8 *B. Cieniek*  
EMR SPECTRA OF ZnO DOPED WITH HIGH CONCENTRACION OF Co AND Cr
- POSTER-9 *I. Rogalska*  
TEMPERATURE DEPENDENCE OF ELECTRON MAGNETIC RESONANCE SPECTRA OF PbMnI<sub>2</sub> NANOCRYSTALS
- POSTER-10 *I. Rogalska*  
APPLICATION OF THE EPR METHOD FOR THE STUDY OF THE IMPURITIES IN THE Al<sub>2</sub>O<sub>3</sub>, MULGRAIN AND ZrO<sub>2</sub> POWDERS USED IN THE AEROSPACE INDUSTRY
- POSTER-11 *I. Stefaniuk*  
EMR STUDY AND SUPERPOSITION MODEL ANALYSIS OF Cr<sup>3+</sup> AND Fe<sup>3+</sup> IMPURITY IONS IN MULLITE AND Al<sub>2</sub>O<sub>3</sub> POWDERS USED IN AEROSPACE INDUSTRY
- POSTER-12 *B. Padlyak*  
THE <sup>27</sup>Al MAS NMR STUDY OF THE Y<sub>3</sub>Al<sub>5</sub>O<sub>12</sub> AND Y<sub>3</sub>Al<sub>5</sub>O<sub>12</sub>:Cr GARNETS
- POSTER-13 *M. Derengowski*  
REZONATORY MIKROFALOWE DO SPEKTROMETRII EPR
- POSTER-14 *I. Tazbir*  
MODEL OBWODOWY UKŁADU: BADANA PRÓBKA – REZONATOR POMIAROWY DO WYKORZYSTANIA W METODZIE SZYBKIEGO PRZEJŚCIA BADANIA WIDM EPR
- POSTER-15 *T. Mazur*  
IDENTYFIKACJA KOMPLEKSÓW ADSORPCYJNYCH W PROCESIE KATALITYCZNEJ REDUKCJI NO<sub>x</sub> WĘGLOWODORAMI NA METALOZEOLITACH NIKLOWYCH – BADANIA EPR I HYSORE
- POSTER-16 *I. Stefaniuk*  
ELECTRON MAGNETIC RESONANCE STUDY OF ROS GENERATED BY H<sub>2</sub>O<sub>2</sub> BLEACHING WITH TiO<sub>2</sub> COATED HYDROXYAPATITE/FLUROAPATITE
- POSTER-17 *K. Sobańska*  
BADANIA EPR REAKTYWNYCH FORM TLENU NA POWIERZCHNIACH W UKŁADZIE H<sub>2</sub>O<sub>2</sub> - AMORFICZNE TLENKI METALI d<sup>0</sup>



- POSTER-18 *M. Kuźma*  
EPR STUDY OF LAYERS OBTAINED FROM ZnCrTe TARGET BY PLD METHOD
- POSTER-19 *V. Popovych*  
DYSON LINE AND MODIFIED DYSON LINE IN THE EPR MEASUREMENTS
- POSTER-20 *J. Szczygieł*  
ILOŚCIOWE BADANIA EPR PROCESÓW REDUKCJI I SORPCJI JONÓW CHROMU NA ZMODYFIKOWANEJ SKROBI ZIEMNIACZANEJ
- POSTER-21 *K. Zawada*  
OXIDATIVE STABILITY OF THE LIPID FRACTION IN BAKERY PRODUCTS – THE EPR STUDY
- POSTER-22 *K. Makarova*  
SPIN TRAPPING STUDIES OF ANTIOXIDANT PROPERTIES OF ESSENTIAL OILS IN LIPID SYSTEMS
- POSTER-23 *G. Drabik*  
A QUANTITATIVE METHOD FOR NITRIC OXIDE DETERMINATION BASED ON A DOUBLE SPECTROSCOPIC ACTIVITY OF CARBOXY-PTIO
- POSTER-24 *Cz. Rudowicz*  
CORRELATION OF EPR AND OPTICAL SPECTROSCOPY DATA FOR  $\text{Cr}^{3+}$  AND  $\text{Mn}^{2+}$  IONS DOPED INTO YTTRIUM ALUMINUM BORATE  $\text{YAl}_3(\text{BO}_3)_4$  CRYSTAL – EXTRACTING LOW SYMMETRY ASPECTS
- POSTER-25 *K. Podolska-Serafin*  
RELATYWISTYCZNE OBLICZENIA DFT PARAMETRÓW WIDM EPR POWIERZCHNIOWYCH ADDUKTÓW NIKLU Z KLASTERAMI ZEOLITÓW
- POSTER-26 *M. Srebro*  
DELOCALIZATION ERROR AND ‘FUNCTIONAL TUNING’ IN KOHN-SHAM CALCULATIONS OF MOLECULAR PROPERTIES
- POSTER-27 *A. Kubica-Misztal*  
INFLUENCE OF ROTATIONAL DYNAMICS ON ESR AND 2HNMR LINESHAPE
- POSTER-28 *K. Gwoździński, A. Pieniążek*  
EPR STUDY OF ERYTHROCYTES PROPERTIES AFTER IN VITRO TREATMENT WITH UREA
- POSTER-29 *E. Grzywna*  
ILOŚCIOWE OZNACZENIA WOLNYCH RODNIKÓW WE KRWI METODĄ EPR JAKO CZYNNIK PROGNOSTYCZNY WYSTĄPIENIA SKURCZU NACZYNIOWEGO U CHORYCH Z KROWTOKIEM PODPAJĘCZYNÓWKOWYM
- POSTER-30 *Z. Matuszak*  
THE ACID-CATALYZED INTERACTION OF MELANIN WITH NITRITE IONS. AN EPR INVESTIGATION
- POSTER-31 *E. Szajdzińska-Piętek*  
INTERACTION OF CATIONIC PROCAINE DERIVATIVE WITH LIPID BILAYERS IN LIPOSOME SYSTEMS. ESR AND FLUORESCENT PROBE STUDIES
- POSTER-32 *B. Pytel*  
ODDZIAŁYWANIE KWASÓW HUMUSOWYCH NA BŁONY LIPOSOMÓW EYL: TECHNIKA EPR
- POSTER-33 *J. Mrozińska*  
ELECTRON PARAMAGNETIC RESONANCE STUDIES OF LYSOZYME SORPTION BY HYDROGEL CONTACT LENSES



POSTER-34 *M. Łabanowska, M. Kurdziel*

INTERACTION OF REACTIVE OXYGEN SPECIES (ROS) WITH ELEMENTS OF GRAINS FROM CEREAL VARIETIES OF DIFFERENT OXIDATIVE STRESS TOLERANCE

POSTER-35 *B. Pilawa*

EFFECT OF UV IRRADIATION ON FREE RADICALS IN HASCOBASA THERMALLY STERILIZED AT DIFFERENT TEMPERATURES

POSTER-36 *B. Pilawa*

NUMERICAL ANALYSIS OF LINESHAPE OF THE MULTI-COMPONENT EPR SPECTRA OF THERMALLY STERILIZED CHLORAMPHENICOL

POSTER-37 *B. Pilawa*

EFFECT OF MICROWAVE POWER ON EPR SPECTRA OF THERMALLY STERILIZED *EUCERINUM ANHYDRICUM*

POSTER-38 *P. Ramos*

EPR STUDIES OF FREE RADICAL FORMATION DURING THERMAL AND STEAM STERILIZATION OF METAMIZOLE SODIUM

POSTER-39 *P. Ramos*

EPR EXAMINATION OF FREE RADICALS THERMALLY FORMED IN *VASELINUM FLAVUM*

POSTER-40 *P. Ramos*

EPR STUDIES OF INTERACTIONS OF DERMATOLOGICAL MATERIALS WITH FREE RADICALS

POSTER-41 *M. Zdybel*

APPLICATION OF EPR SPECTROSCOPY TO EXAMINE THE EFFECT OF CISPLATIN CONCENTRATION ON FREE RADICALS IN A-2058 HUMAN *MELANOMA MALIGNUM* CELLS

POSTER-42 *M. Zdybel*

EFFECT OF UV IRRADIATION ON FREE RADICALS IN SYNTHETIC MELANIN AND MELANIN BIOPOLYMER FROM *SEPIA OFFICINALIS* – EPR EXAMINATION

POSTER-43 *M. Zdybel*

TYPES OF PARAMAGNETIC CENTERS IN DOPA-MELANIN AND ITS COMPLEXES WITH ZINC(II) AND NETILMICIN – EPR EXAMINATION IN TEMPERATURES 105-300 K