



**FACULTY OF MECHANICAL IN KRAGUJEVAC  
UNIVERSITY OF KRAGUJEVAC  
CURRICULUM VITAE**

**GENERAL INFORMATION**

First and last name	Milan V Micunovic
Year and place of birth	1944, Cokotin
Position	Professor, PhD
e-mail/web site	<a href="mailto:mmicun@kg.ac.yu">mmicun@kg.ac.yu</a> <a href="http://www.mfkg.kg.ac.yu/staff/micunovic">www.mfkg.kg.ac.yu/staff/micunovic</a>
Telephone	+381-64-4218472
Education-scientific / education –art field	Technical and natural sciences
University, faculty, organizational unit	University in Kragujevac, Faculty of Mechanical Engineering
Field and closer specialty	Mechanical engineering, Theoretical and applied mechanics

**EDUCATION – DIPLOMAS**

**BACHELOR STUDIES**

Year	1966
Place	Kragujevac
Institution	University in Kragujevac, Faculty of Mechanical Engineering
Headline of B.Sc.	STEERING MECHANISM OF ZASTAVA 1300
Field	Mechanism theory

**M.Sc. THESIS**

Year	1971
Place	Belgrade
Institution	University in Belgrade, Faculty of Sciences
Title of M.Sc. thesis	DISLOCATION THEORY OF ELASTOPLASTICITY OF METALS
Field	Continuum mechanics

**Ph.D. THESIS**

Year	1974
Place	Warsaw, Poland
Institution	Institute of fundamental technological research of Polish Academy of Sciences
Title of PHD thesis	THE GEOMETRICAL THEORY OF THERMOELASTICITY AND CONTINUOUS DISTRIBUTION OF DISLOCATIONS
Field	Continuum mechanics

**TECHNICAL BIOGRAPHY – POSITIONS**

Year	Position
1967	Teaching assistant
1974	Assistant professor
1979	Associate professor
1984	Professor

**PROFESSIONAL BIOGRAPHY - IMPROVEMENTS**

(training in the country and abroad, study courses, a visiting professor)

Year and duration	
1973-1974	Scholarships - study abroad: Institute of fundamental technological research of Polish Academy of Sciences, Warsaw, Poland

**AWARDS AND RECOGNITIONS**

Year	Name of award/recognition
1978	1. Kinetic stress tensor in statistical theory of screw parallel dislocations, XIV Yugoslav Congress of Mechanics, Portoroz, Slovenia. (prize: "Rastko Stojanovic").
1986-1987	2. Joint Research Centre of European Community, Ispra Establishment, Italy (visiting scientist)

**RESULTS OF SCIENTIFIC AND RESEARCH WORK****CITATION INDEX OF SCIENTIFIC WORK** (without auto-citation)

List of results - R11	No.
<b>Significant thesis books and monographs of international importance</b>	
3. THERMOMECHANICS OF VISCOPLASTICITY (FUNDAMENTALS AND APPLICATIONS), Monograph No 20, The series: Advances in Mechanics and Mathematics AMMA, eds. R. W. Ogden & D. Gao, Heidelberg, Springer 2009, ISBN 978-0-387-89489-8	

List of results - R12	No
<b>Scientific books and monographs of international importance</b>	
4. STABILITY OF FINITE STRAIN OF ELASTIC FIBRE-REINFORCED BODIES, Wybrane zagadnienia statecznosci konstrukcji, Warsaw, Ossolineum 1987, pp.267-318, 1985.	
5. (W. Green, M. Micunovic [eds.]) MECHANICAL BEHAVIOUR OF COMPOSITES AND LAMINATES, Elsevier, London, 1987.	

List of results - R13	No
<b>Scientific books and monographs of national importance</b>	2
6. APPLIED CONTINUUM MECHANICS (second edition), Naucna knjiga, Belgrade 1990.	

Textbooks	No
7. STATICS (with M. Kojic), Naucna knjiga, Belgrade.	
8. KINEMATICS (with M. Kojic), Naucna knjiga, Belgrade.	
9. VIBRATION THEORY (with M. Kojic), Naucna knjiga, Belgrade.	
10. DYNAMICS (with L. Vujosevic and R. Bulatovic) University word, Podgorica.	

List of results - R21	No
<b>Chapter in the book; Review article</b>	
11. (M. Micunovic) SELF-CONSISTENT METHOD APPLIED TO QUASI-RATE DEPENDENT POLYCRYSTALS, Philosophical Magazine, Vol. 85, Nos. 33-35, 21 Nov.-11 Dec. 2005, pp. 4031-4054	

**NOTE: review article** is printed work that handles a scientific problem with a critical review and author 's contributing to this problem.

<b>List of results - R22</b>	<b>No</b>
<b>Chapter in the book, Review article</b>	

<b>List of results - R23</b>	<b>No</b>
<b>Chapter in the book, Review article</b>	
12. (A. Baksa, D. Miloradović, L. Veljović, M. Micunovic) NONLINEAR VIBRATIONS OF MOTOR VEHICLES (in Serbian), ed. A. Jankovic, Motors and Motor Vehicles 2005, Kragujevac	

<b>List of results - R31 – Technical solutions</b>	<b>No</b>
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**Be sure to mention** the authors of solutions, the name of technical solutions, for whom the solution is developed, who uses a solution, the years when the solution was developed and who has accepted it – applied

<b>List of results - R32 – Technical solutions</b>	<b>No</b>
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<b>List of results - R33 – Technical solutions</b>	<b>No</b>
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<b>List of results - R34 – Technical solutions</b>	<b>No</b>
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<b>List of results - R41 - Patents</b>	<b>No</b>
13. (C. Albertini, M. Montagnani, M. Micunovic) DISPOSITIF DE TEST DYNAMIQUE D'UN ECHANTILLON EN TORSION, Patent registered under the number 90114148.1- in BE, DE, DK, ES, FR, GB, GR, IT, LU, NL from July 24. 1990. - European Patent Office (Branch at the Hague)	

<b>List of results - R42 - Patents</b>	<b>No</b>
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<b>List of results - R51</b>	<b>No</b>
<b>Work in the leading journal of international importance.</b>	
14. (M. Micunovic, A. Baltov) PLASTIC WAVE PROPAGATION IN HOPKINSON BAR – REVISITED, Archives of Mechanics, Vol. 54, Issues 5-6, pp. 577-602., 2002.	
15. (M. Micunovic, C. Albertini, M. Montagnani) HIGH STRAIN RATE THERMO-INELASTICITY OF DAMAGED AISI 316H, Int. J. Damage Mechanics, 2003, pp. 267-303.	
16. (M. Micunovic) THERMODYNAMICAL AND SELF-CONSISTENT APPROACH TO INELASTIC FERRO-MAGNETIC POLYCRYSTALS, Archives of Mechanics, Vol. 58, Issues 4-5, pp. 393-430, 2006.	
17. (M. Micunovic, L. Kudrjavceva, D. Sumarac) THERMO-INELASTICITY OF DAMAGED ELASTOMERS BY SELF-CONSISTENT METHOD, Int. J. Damage Mechanics, 2008, pp. 539-565.	
18. (B. Maruszewski, M. Micunovic) ON NEUTRON IRRADIATION OF AN ISOTROPIC THERMO-PLASTIC BODY, International Journal of Engineering Science, Vol.27, No.8, p.955-965., 1989.	
19. (C. Albertini, M. Montagnani, M. Micunovic) VISCOPLASTIC BEHAVIOUR OF AISI 316H - MULTIAXIAL EXPERIMENTAL RESULTS AND PRELIMINARY NUMERICAL ANALYSIS, Nuclear Engineering and Design, Vol.130, p.205-210, 1991.	
20. (Alfio Grillo, Gabriel Wittum, Gaetano Giaquinta, Milan V. Mićunović) A MULTISCALE ANALYSIS OF GROWTH AND DIFFUSION DYNAMICS IN BIOLOGICAL MATERIALS, Int. J. Engineering Science, Vol. 47, 2009, pp. 261–283.	
21. (A. Grillo, S. Federico, G. Wittum, S. Imatani, G. Giaquinta, M.V. Mićunović) EVOLUTION OF A FIBRE-REINFORCED GROWING MIXTURE, Il Nuovo Cimento B (in press)	
22. (M. Mićunović) THERMODYNAMICS OF QUASI RATE INDEPENDENT INELASTIC MICRO-	

<b>List of results - R52</b>		<b>No</b>
<b>The work in the journal of international importance.</b>		<b>1</b>
23.	(M. Micunovic, L. Kudrjavceva, D. Sumarac) THERMOELASTICITY OF DAMAGED ELASTOMERS – SYMMETRY ISSUES, Journal of Physics: Conference Series , Vol. 62, 2007 pp. 88-101	
24.	(M. Micunovic) A GEOMETRICAL TREATMENT OF THERMOELASTICITY OF SIMPLE INHOMOGENEOUS BODIES: I) GEOMETRICAL AND KINEMATICAL RELATIONS, Bulletin de l'academie Polonaise des sciences-Serie des sciences techniques, Warsaw, Vol.XXII, No.11, p.579-588 ,1974.	
25.	(M. Micunovic) A GEOMETRICAL TREATMENT OF THERMOELASTICITY OF SIMPLE INHOMOGENEOUS BODIES: II) CONSTITUTIVE EQUATIONS AND FIELD EQUATIONS, Bulletin de l'academie Polonaise des sciences-Serie des sciences techniques, Warsaw, Vol.XXII, No.12, p.633-641, 1974.	
26.	(M. Micunovic) A GEOMETRICAL TREATMENT OF THERMOELASTICITY OF SIMPLE INHOMOGENEOUS BODIES: III) APPROXIMATIONS, Bulletin de l'academie Polonaise des sciences - Serie des sciences techniques, Warsaw, Vol.XXIII, No.3, p.89-97 ,1975.	
27.	(M. Micunovic) STATISTICAL ANALYSIS OF LINEAR SOLID BODY WITH CONTINUOUS DISTRIBUTION OF SCREW DISLOCATIONS, Theoret. Appl. Mech., Beograd, No.3, pp. 59-68, 1977.	
28.	(M. Micunovic) KINETIC STRESS TENSOR IN STATISTICAL THEORY OF SCREW PARALLEL DISLOCATIONS, Theoret. Appl. Mech., Beograd, No.5, str.91-96, 1979.	
29.	(M. Micunovic) THERMOELASTICITY OF IDEAL FIBRE - REINFORCED MATERIALS, Journal of Technical Physics, Warsaw, Vol.23, No.1, p. 59-67, 1982.	
30.	(M. Micunovic, D. Milosavljevic) RAYLEIGH-LAMB WAVES IN AN ELASTIC FIBRE-REINFORCED ELASTIC PLATE, Theoret. Appl. Mech., Beograd , No.9, str.69-78, 1983.	
31.	(M. Micunovic) FINITE PLANE STRAIN AND STABILITY OF ELASTIC MATERIALS REINFORCED BY TWO FAMILIES OF INEXTENSIBLE FIBRES, Zeitschrift fur angewandte Mathematik und Mechanik (ZAMM), Heft 415, Band 64, p.T141-T144, 1984.	
32.	(A.Baksa, M. Micunovic) ON SPATIAL STABILITY OF NONLINEAR VIBRATIONS OF MOTOR VEHICLES, Motor Vehicles and Mobility (MVM), No. 58/59, p. 503, 1984.	
33.	(A.Baksa, M. Micunovic) ON STABILITY OF APPROXIMATE SOLUTIONS FOR AN EQUATION WITH A SMALL PARAMETER, Theoret. Appl. Mech., No.11, pp.15-22, 1985.	
34.	(C.Albertini, E.Blery Blionas, M. Micunovic, M.Montagnani, E.Pizzinato) BIAXIAL STRAIN-RATE CONTROLLED VISCOPLASTIC EXPERIMENTS ON CRUCIFORM SPECIMENS OF AISI 316H UP TO 10/sec, Inst.Phys.Conf.Ser., No.102: Vol.4, p.173-180, 1989.	
35.	(M. Micunovic) ON VISCOPLASTICITY OF TRANSVERSELY ISOTROPIC MATERIALS, Theoret. Appl. Mech., Beograd, No.16, str.53-64, 1990.	
36.	(M. Micunovic) ON THE THERMAL ELASTOPLASTIC TRANSITION IN VISCOPLASTICITY OF METALS, Facta Universitatis, Nis, Vol. I., No.2, p.155-168, 1992.	
37.	(M. Micunovic) INELASTIC MEMORY VERSUS VISCOPLASTICITY OF CONTINUOUSLY DAMAGED MATERIALS, Journal of the Mech. Behaviour of Materials, Vol.4, No.4, p. 331--341, 1993.	
38.	(M. Micunovic) NORMALITY RULE FROM PLASTIC WORK EXTREMALS?, Materials Science Forum (Trans Tech Publ.), Vol. 123-125, pp. 609-616, 1993.	
39.	(M. Micunovic) ON VISCOPLASTICITY OF IRRADIATED STEELS, Theoret. Appl. Mech., No.20, str.167-176, 1994.	
40.	(M. Micunovic, D. Veljkovic) RATCHETTING PHENOMENON AT LOW STRAIN RATES FOR AISI 316H STAINLESS STEEL, Facta Universitatis, Nis, Vol.2, No 7/2, 1997 pp. 503 – 511	
41.	(M. Micunovic, M. Radosavljevic, C. Albertini, M. Montagnani) VISCOPLASTIC BEHAVIOR OF DAMAGED AISI 316H FROM DYNAMIC EXPERIMENTS, Facta Universitatis, Nis, Vol.2, No 10, 2000 pp. 1299-1317	
42.	(M. Micunovic) ON VISCOPLASTICITY OF FERROMAGNETICS, Theoret. Appl. Mech. , Vol. 26, pp. 107-126, 2001.	
43.	(M. Micunovic) LOW ORDER INELASTIC MICROMORPHIC POLYCRYSTALS, Theoret. Appl. Mech. , Vol. 28-29, pp. 235-259, 2002.	
44.	(W.Gambin, K.Kowalczyk-Gajewska, L.T.Kudrjavceva, M.Mićunović) TWO-SCALE APPROACH TO DYNAMIC LOCALIZATION FAILURE OF AISI 316H STAINLESS STEEL SHEETS, Theoret. Appl. Mech., Vol.35, Nos.1-3, pp. 93-103, Belgrade, 2008	

<b>List of results - R53</b>		<b>No</b>
Lecture per call to international conference (completely published)		

45. (M. Micunovic) A THERMODYNAMIC APPROACH TO VISCOPLASTICITY, Proceedings of the 1st National Con-gress on Mechanics, Hellenic Society for Theoretical and Applied Mechanics, Athens, p.364-376, 1986. (key lecture)
46. (M. Micunovic) ON THE THERMAL ELASTOPLASTIC TRANSITION IN VISCOPLASTICITY OF METALS, Transactions of NUCMAT-88 , (ed. Niku-Lari), IITT-International, Nice 1988 (invited)
47. (with C. Albertini, A.M.Eleiche, M. Montagnani) DYNAMIC MATERIAL PROPERTIES FOR THE OPTIMIZATION OF THE HOT AND COLD WORKING OF AUSTENITIC STAINLESS STEELS, International Conference on Stainless Steel INCOS-89 Indian Institute of Metals, Bombay, 40p, 1989. (invited)
48. (M. Micunovic) ON LOW STRAIN-RATE VISCOPLASTICITY OF CONTINUOUSLY DAMAGED MATERIALS, Current Advances in Mechanical Design and Production- IV, Cairo, 1988, (eds. Kabil, Said), Oxford, Pergamon Press str.181, 1989. (key lecture)
49. (M. Micunovic) ON VISCOPLASTICITY OF INITIALLY ANISOTROPIC MATERIALS, I. GENERAL THEORY & II. TENSOR REPRESENTATIONS, Proceedings of the 6th National Congress on Mechanics, Varna, Bulgaria, Vol.2, p.322-327 & p.328-334, 1989. (key lecture)
50. (M. Micunovic) MATERIALS WITH THERMOPLASTIC MEMORY, Transactions of Continuum Models in Discrete Systems VI, p.187, (held in Dijon 1989, ed. G. Maugin), Longman 1991. (invited)
51. (G.Maresca, G.Pino, C.Albertini, M. Micunovic, M.Eleiche, M.Mogilevski) BIAXIAL DYNAMIC TESTING OF NUCLEAR CONTAINMENT STEEL, Structural Mechanics in Reactor Technology (SMIRT-13), Porto Alegre, Brazil, p.12, 1995. (key lecture)
52. (M. Micunovic, Lj. Veljovic) An Approach to Viscoplasticity of Ferromagnetic Materials, in: Mechanical Modelling of New Electromagnetic Materials, (ed. R.K.T. Hsieh), IUTAM symposium-Stockholm, Elsevier, pp.187-195, 1990. (invited)
53. (M. Micunovic) INELASTIC MEMORY VERSUS VISCOPLASTICITY OF CONTINUOUSLY DAMAGED MATERIALS, "International Conference of Mechanics, Physics and Structure of Materials" - A Celebration of Aristotle's 23 Centuries, Thessaloniki 1990 (invited)
54. (M.Montagnani, C.Albertini, M. Micunovic) UNIAXIAL VISCOPLASTIC EXPERIMENTS OF PREDAMAGED AISI 316H, 4th IUTAM Symposium: Creep in Structures, held in Krakow 1990, p. 401, (ed. M. Zyckowski) Springer 1991. (invited)
55. (M. Micunovic) A VISCOPLASTICITY THEORY OF IRRADIATED MATERIALS, 4th IUTAM Symposium: Creep in Structures, held in Krakow 1990, p.139, (ed. M. Zyckowski) Springer 1991. (invited)
56. (M. Micunovic) SOME ISSUES IN POLYCRYSTAL VISCOPLASTICITY OF STEELS, International Symposium on Structured Media, (devoted to memory of Ekkehart Kroener), ed. B. Maruszewski, Publ. House of Poznan Univ. Technology 2002, pp. 196-207. (invited)
57. (M. Micunovic, G. Pino, G. Maresca, C. Albertini) SOME RESULTS CONCERNING DAMAGE ACQUIRED BY CRUCIFORM HOPKINSON BAR TECHNIQUE, 10th European mechanics of materials conference (EMMC10), Kazimierz Dolny, Poland 2007, pp. 185-194 (invited)
58. (M. Mićunović) TWO DIMENSIONAL PLASTIC WAVES IN QUASI RATE INDEPENDENT VISCO-PLASTIC MATERIALS, 3rd Serbian-Greek Symposium „Recent Advances in Mechanics“, Novi Sad, September 15-17, 2008 (invited)
59. (Alfio Grillo, GabrielWittum, Gaetano Giaquinta, Milan V. Micunovic) ANALYSIS OF GROWTH AND DIFFUSION DYNAMICS IN BIOLOGICAL MATERIALS, *Mathematisches Forschungsinstitut Oberwolfach*, Report No. 39/2008, Mini-Workshop: The mathematics of growth & remodelling of softbiological tissues (eds. D. Ambrosi, K. Garikipati, E. Kuhl) September, 2008 (invited)

List of results - 54	No
Paper presented on conference with international importance (published)	8

60. (M. Micunovic) A YIELD CONDITION FOR ANISOTROPIC MATERIALS, Transactions of SMIRT-8, North-Holland, Amsterdam, pp.243-210, 1985.
61. (M. Micunovic) A THERMODYNAMIC THEORY OF RATE INDEPENDENT THERMO-PLASTICITY OF FIBRE-REINFORCED MATERIALS, in: Loo, Sun (eds.), Proceedings of International Symposium on Composite Materials and Structures, (held in Beijing, China) Lancaster: Technomic, p.94, 1986.
62. (M. Micunovic, M. Radosavljevic) ON ASYMPTOTIC STABILITY OF PARAMETRIC VIBRATIONS OF RODS FOR THE CASE OF SUBHARMONIC RESONANCE, (BAM), Budapest, No. 424/86, p.309-318, 1986.
63. (M. Micunovic) A THERMODYNAMIC MODEL OF IDEAL CYCLIC VISCOPLASTICITY, Transactions of SMIRT-9, (L), Rotterdam, Balkema, p.195, 1987
64. (M. Micunovic) A Thermodynamic Viscoplasticity Theory of Ideal Fibre-Reinforced Materials, in: Green, Micunovic, (eds.) Mechanical Behaviour of Composites and Laminates, Elsevier, London, 1987.
65. (M. Micunovic, C. Albertini, M. Montagnani): Viscoplastic Material Properties at Non-Proportional Strain Histories of AISI 316 H Stainless Steel. in: Cailletaud et al. (eds.) Proceedings of MECAMAT, Besancon: Mecamat, p.II/107-118, 1988.
66. (C. Albertini, E. Belery Blionas, M. Micunovic, M. Montagnani, E. V. Pizzinato) BIAXIAL STRAIN-RATE CONTROLLED VISCOPLASTIC EXPERIMENTS ON CRUCIFORM SPECIMENS OF AISI 316H UP TO 10/SEC, Presented at Int. Conf. Mech. Prop. Materials at High Rates of Strain, Oxford 1989
67. (M. Micunovic, C. Albertini, M. Montagnani) VISCOPLASTIC BEHAVIOUR OF AISI 316H - CONNECTION OF CONSTITUTIVE EQUATIONS TO MULTIAXIAL EXPERIMENTS, Transactions of SMIRT-10, p.37, Los Angeles 1989.
68. (C. Albertini, M. Montagnani, M. Micunovic) VISCOPLASTIC BEHAVIOUR OF AISI 316H - MULTIAXIAL EXPERIMENTAL RESULTS, Transactions of SMIRT-10, p.31, Los Angeles 1989
69. (C. Albertini, A.M.Eleiche, M. Micunovic, M. Montagnani) CHARACTERIZATION OF DYNAMIC MECHANICAL PROPERTIES OF MATERIALS UNDER BIAXIAL-TENSILE AND BIAXIAL SHEAR STRESS, Second Post-SMIRT Seminar on Impact, Anaheim (California), USA 1989.
70. (L. Kudrjavceva, M. Micunovic) LIMIT STRAINS OF STEEL SHEETS AT NONPROPORTIONAL STRESS PATHS, Mechanics, Materials and Constructions, Symposium held at the SANU, Belgrade, 1995
71. (M. Radosavljevic, M. Micunovic) A CONTRIBUTION TO NUMERICAL SOLVING OF STOCHASTIC DYNAMIC PROBLEMS, EUROMECH – 2nd European Nonlinear Oscillations Conference, (eds. L. Pust & F. Peterka) Prague, 1996, pp.191-194.
72. (M. Radosavljevic, M. Micunovic) A STOCHASTIC VARIATIONAL PRINCIPLE IN FINITE ELEMENT METHOD, Mechanics, Materials and Constructions, Symposium held at the SANU, Belgrade, 1995
73. (M. Micunovic, C. Albertini, M. Montagnani) HIGH STRAIN RATE VISCOPLASTICITY OF AISI 316H STAINLESS STEEL FROM TENSION AND SHEAR EXPERIMENTS, Second Serbian-Greek conference on solid mechanics, Belgrade, November, 1996.
74. (with Danijela Miloradović) NONLINEAR VIBRATION OF MOTOR VEHICLE DUE TO ROAD ROUGHNESS, DEMI-2003, Banja Luka 2003, pp. 305-312.
75. (W. Gambin, K. Kowalczyk-Gajewska, L. Kudrjavceva, M. Micunovic): TWO-SCALE APPROACH TO DYNAMIC LOCALIZATION FAILURE OF AISI 316H STAINLESS STEEL SHEETS, The 8th ESAFORM Conference on Material Forming "ESAFORM 2005", Cluj-Napoca 2005, Romania

<b>List of results - R61</b>	<b>No</b>

<b>List of results R62</b>	<b>No</b>
The work in the journal of national importance	
76. (A.Baksa, M. Micunovic) ON SPATIAL STABILITY OF NONLINEAR VIBRATIONS OF MOTOR VEHICLES, Motor Vehicles and Mobility (MVM), No. 58/59, p. 503, 1984.	

<b>List of results R63</b>	<b>No</b>
Scientific critics and polemics	
77. (M. Micunovic) MIĘDZYNARODOWE SYMPOZJUM MATERIAŁOW I KONSTRUKCJI KOMPOZYTOWYCH (PEKIN, CHINY, 10-13 czerwca 1986), Biuletyn informacyjny Polskiego Towarzystwa Mechaniki Teoretycznej i Stosowanej, Warsaw 1988	

<b>List of results - R64</b>	<b>No</b>
Introductory lecture at the conference of national importance.	
78. (M. Micunovic) VISCOPLASTICITY - ANALYTICAL, EXPERIMENTAL AND NUMERICAL ASPECTS, Yugoslav congress of theoretical and applied mechanics, Vrnjacka Banja 1988.	

NOTE: The National conference is a scientific meeting organized by national association. Organizational and programming committee must be set within the eminent scientific workers from a set of selected fields, manual of abstracts or papers

<b>List of results - R65</b> <b>Paper presented on national conference</b>	<b>No</b>
79. (M. Micunovic, R. Stojanovic) IREVERSIBLE STRESSES AT PLASTIC STRAINING OF METALS, X Yugoslav Congress of rational and applied mechanics, Basko Polje, Croatia, 1970.	
80. (M. Micunovic) GEOMETRIC ANALYSIS OF A CONTINUUM WITH DISLOCATIONS AND INHOMOGENEOUS TEMPERATURE FIELD, XI Yugoslav Congress of rational and applied mechanics, Basko Polje, Croatia, 1970.	
81. (M. Micunovic) COMPATIBILITY CONDITIONS OF NONLINEAR THERMOELASTICITY, XII Yugoslav Congress of rational and applied mechanics, Ohrid, Macedonia, 1974.	
82. (M. Micunovic) AN ANALYSIS OF CONSTITUTIVE RELATIONS OF SIMPLE HOMOGENEOUS UNIFORM SOLIDS, XII Yugoslav Congress of rational and applied mechanics, Ohrid, Macedonia, 1974.	
83. (M. Micunovic) STATISTICAL ANALYSIS OF LINEAR SOLID BODY WITH CONTINUOUS DISTRIBUTION OF SCREW DISLOCATIONS, XIII Yugoslav Congress of rational and applied mechanics, Sarajevo, Bosnia and Herzegovina, 1976.	
84. (M. Micunovic) KINETIC STRESS TENSOR IN STATISTICAL THEORY OF SCREW PARALLEL DISLOCATIONS, XIV Yugoslav Congress of rational and applied mechanics, Portoroz, Slovenia, 1978.	
85. (M. Micunovic, D. Milosavljevic) VIBRATIONS IN AN FIBRE-REINFORCED LAYER, Symposium "Contemporary problems of continuum mechanics", Tara, Serbia, 1980.	
86. (M. Micunovic, Lj. Veljovic) NON-LINEAR RANDOM VIBRATIONS OF MOTOR VEHICLES AS MULTI-DEGREES-OF-FREEDOM SYSTEMS, Motor Vehicles and Mobility, No. 39/40, p. 63, 1981.	
87. (M. Micunovic) FINITE STRAIN OF FIBRE-REINFORCED MATERIALS, XV Yugoslav Congress of rational and applied mechanics, Kupari, Croatia 1981.	
88. (M. Micunovic, D. Milosavljevic) LOVE WAVES IN FIBRE-REINFORCED MATERIALS, XV Yugoslav Congress of rational and applied mechanics, Kupari, Croatia 1981.	
89. (M. Micunovic, M. Radosavljevic) ON COMBINATION RESONANCES AT STOCHASTIC VIBRATIONS OF RODS, Symposium "Nonlinear problems of dynamics", Arandjelovac, 1983.	
90. (M. Micunovic) ON PLASTIC DEFORMATION OF FIBRE-REINFORCED MATERIALS, Proceedings of III Yugoslav symposium of plasticity, Plitvice, Croatia, 1983. pp. 1-9.	
91. (M. Micunovic) A YIELD CONDITION FOR ANISOTROPIC MATERIALS, XVI Yugoslav Congress of rational and applied mechanics, Becici, Montenegro, 1984.	
92. (M. Radosavljevic, M. Micunovic) AN ITERATIVE SOLUTION OF INTEGRODIFFERENTIAL EQUATION OF SUBHARMONIC STOCHASTIC PARAMETRIC VIBRATIONS, XVI Yugoslav Congress of rational and applied mechanics, Becici, Montenegro, 1984.	
93. (M. Micunovic) AN APPLICATION OF MUELLER'S ENTROPY PRINCIPLE IN PLASTICITY, Symposium "Contemporary problems of continuum mechanics", Vrnjacka Banja, Serbia, 1985, pp. 229-236.	
94. (M. Micunovic) A THERMODYNAMIC APPROACH TO VISCOPLASTICITY, XVII Yugoslav Congress of rational and applied mechanics, Zadar, Croatia, 1986.	
95. (V. Babovic, M. Micunovic) SOME REMARKS ON ELEKTROMAGNETIC RADIATION AT DYNAMIC DEFORMATION OF A BODY, XXXII Yugoslav conference ETRAN, Sarajevo, Bosnia and Herzegovina, 1988.	
96. (M. Micunovic) BIAxIAL EXPERIMENTS SERVING TO CHARACTERIZE VISCOPLASTIC BEHAVIOR OF REACTOR STEELS, Proceedings of VI Yugoslav symposium of plasticity, Opatija, Croatia, 1989. pp. 1-6.	
97. (M. Micunovic) AN INFLUENCE OF NEUTRON IRRADIATION ON MECHANICAL PROPERTIES OF REACTOR STEELS, Proceedings of the symposium "FISSION – retrospectives and perspectives", Kragujevac, 1989. pp. 55-63.	
98. (M. Micunovic) MULTIAXIAL VISCOPLASTICITY THEORIES AND UNIAXIAL DYNAMIC EXPERIMENTS, XIX Yugoslav Congress of rational and applied mechanics, Ohrid, Macedonia, 1990.	
99. (D. Rubesa, M. Radosavljevic, M. Micunovic) OPTIMIZATION OF "BICCHIERINO"-SPECIMEN FOR VISCOPLASTIC SHEAR, Proceedings of III Yugoslav symposium of plasticity, Pula, Croatia, 1991. pp. 1-6.	
100. (M. Micunovic) A COMPARISON OF SOME VISCOPLASTICITY MODELS FROM MULTIAXIAL EXPERIMENTS AT LARGE STRAINS, XX Yugoslav Congress of rational and applied mechanics,	

Kragujevac, Serbia, 1993.

101. (M. Micunovic) RICE'S POTENTIAL IN VISCOPLASTICITY OF FIBER REINFORCED MATERIALS. XXI Yugoslav Congress of rational and applied mechanics, Nis, Serbia, 1995.
102. (L. Kudrjavceva, M. Micunovic): LOCALIZED INSTABILITY OF AISI 316H STAINLESS STEEL SHEETS AT NONPROPORTIONAL DYNAMIC STRESS HISTORIES, XXII Yugoslav Congress of rational and applied mechanics, Vrnjacka Banja, Serbia, 1997.
103. (M. Micunovic, D. Veljkovic) RATCHETTING PHENOMENON AT LOW STRAIN RATES FOR AISI 316H STAINLESS STEEL DESCRIBED BY TWO VISCOPLASTIC MODELS, XXII Yugoslav Congress of rational and applied mechanics, Vrnjacka Banja, Serbia, 1997.
104. (M. Micunovic) SOME THERMODYNAMIC ASPECTS OF VISCOPLASTICITY OF FERROMAGNETICS, The international symposium PES 2001, Nis 2001
105. (M. Micunovic) ON PIEZOMAGNETISM AT VISCOPLASTICITY OF FERROMAGNETICS, Yugoslav conference ETRAN 45, book IV, Arandjelovac 2001, стр. 76-79.
106. (M. Micunovic) ON THE PLASTIC SPIN CONTROVERSY IN POLYCRISTAL PLASTICITY. In: *Recent advances in analytical dynamics, control, stability and differential geometry*. (Proceedings of the symposium in SANU, ed. V. Djordjevic), Belgrade 2002., pp. 58-66.
107. (L. Kudrjavceva, D. Sumarac, M. Micunovic): "ON INELASTIC PROPERTIES OF CONTINUOUSLY DAMAGED ELASTOMERS", XXIV Yugoslav Congress of rational and applied mechanics, Belgrade, Serbia, 2003.
108. (L. Kudrjavceva, D. Sumarac, M. Micunovic): "THERMOELASTICITY OF POROUS ELASTOMERS - EFFECTIVE MATERIAL PROPERTIES", XXV Yugoslav Congress of rational and applied mechanics, Novi Sad, Serbia, 2005.
109. (B. Rosic, M. Micunovic): "FCC POLYCRYSTALS – APPROXIMATE SYMMETRY AND TEXTURE DEVELOPMENT", XXV Yugoslav Congress of rational and applied mechanics, Novi Sad, Serbia, 2005.
110. (L.T.Kudrjavceva, D. Sumarac, M. Micunovic): "NOTION OF APPROXIMATE SYMMETRY IN COMPOSITE MATERIALS", Proceedings of the First Serbian International Congress of Mechanics (eds. D. Sumarac and D. Kuzmanovic) Kopaonik, Serbia 2007, pp. 1017-1023.

<b>List of results R71</b>	<b>No</b>
Opening lecture at the conference of international importance published in the statement	No

<b>List of results - R72</b>	<b>No</b>
<b>Papers presented on international conference published in a statement</b>	No
<ol style="list-style-type: none"> <li>111. (M. Micunovic) STATISTICAL ANALYSIS OF LINEAR SOLID BODY WITH CONTINUOUS DISTRIBUTION OF SCREW DISLOCATIONS, XVI Polish Solid Mechanics Conference Ruciane 1977 (invited)</li> <li>112. (M. Micunovic) SOME COMMENTS ON VISCOPLASTICITY OF ISOTROPIC MATERIALS WITH SMALL THERMOELASTIC STRAINS, Yugoslav-Polish conference YU-PL'87, Dubrovnik, Croatia, 1987.</li> <li>113. (M. Micunovic) SOME ASPECTS OF NONASSOCIATE THERMOVISCOPLASTIC MATERIALS, Symposium on Inelastic Solids and Structures, Rytro-Krakow 1988. (invited)</li> <li>114. (M. Micunovic) INELASTIC MEMORY VERSUS VISCOPLASTICITY OF CONTINUOUSLY DAMAGED MATERIALS, (invited) "International Conference of Mechanics, Physics and Structure of Materials" - A Celebration of Aristotle's 23 Centuries, Thessaloniki 1990 (invited)</li> <li>115. (M. Micunovic, A. Baltov): PLASTIC WAVE PROPAGATION IN HOPKINSON BAR – TENSOR REPRESENTATION AND NUMERICAL ANALYSIS, In "Recent Advances in Mechanics", Ed. A.N. Kounadis and E.E. Gdoutos, Democritus Univesrity of Thrace, p.86-87, Xanthi, 1998 (invited)</li> <li>116. (M. Micunovic, L. Kudrjavceva, D. Sumarac) THERMOELASTICITY OF DAMAGED ELASTOMERS – SYMMETRY ISSUES, Symposium: <i>Geometry, Continua and Microstructure GCM7</i>, Lancaster University, September 2007 (invited)</li> <li>117. (A. Grillo, G. Giaquinta, G. Wittum, M. Mićunović) A MULTISCALE ANALYSIS OF GROWTH AND DIFFUSION DYNAMICS IN BIOLOGICAL MATERIALS, Joint symposium of Irish Mechanics Society Irish Society for Scientific &amp; Engineering Computation, <i>Advances in Mechanics</i>, Dublin, May 2008 (invited)</li> <li>118. (A. Grillo, G. Wittum, G. Giaquinta, M. Mićunović) A THERMODYNAMICALLY CONSISTENT GROWTH LAW INCLUDING ESHELBY TENSOR AND CHEMICAL POTENTIAL, Symposium: <i>Geometry, Continua and Microstructure GCM8</i>, Catania, Sicily, October 2008 (invited)</li> <li>119. (M. Mićunović) THERMODYNAMICS OF QUASI RATE INDEPENDENT INELASTIC MICROMORPHIC POLYCRYSTALS, Symposium: <i>Geometry, Continua and Microstructure GCM8</i>, Catania, Sicily, October 2008 (invited)</li> </ol>	No

<b>List of results - R73</b>	<b>No</b>
<b>Paper presented on national conference published in a statement</b>	No

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**PARTICIPATION IN PROJECTS FINANCED BY GOVERNMENT DEPARTMENTS**

List of projects	No
120. (M. Micunovic – principal investigator) MECHANICS WITH APPLICATIONS: CONTINUUM MECHANICS, 1990.	
121. (M. Micunovic – principal investigator) EXPERIMENTAL ANALYSIS OF DYNAMIC PLASTIC BEHAVIOR OF METALS AND COMPOSITES (M1109).	
122. (M. Micunovic – principal investigator) DYNAMIC INELASTIC BEHAVIOR OF METALS AND COMPOSITES BASED ON METALS AND POLYMERS (11T11).	
123. (M. Micunovic – principal investigator) A CONSTRUCTION OF HOPKINSON BAR (Technological development – TR 0035)	
124. (M. Micunovic – principal investigator) INELASTICITY OF METALS AND COMPOSITES BASED ON POLYMERS (Mathematics and mechanics - MM 1309)	
125. (M. Micunovic – principal investigator) MECHANICS OF MATERIALS WITH MICRO-STRUCTURE (Mathematics and mechanics - ON144038)	

**PARTICIPATION IN INTERNATIONAL PROJECTS**

List of projects	No
126. (M. Micunovic – principal investigator) INFLUENCE OF THE DAMAGE HISTORY ON THE INELASTIC BEHAVIOUR OF AUSTENIC STAINLESS STEELS DESCRIBED BY UNIAXIAL DYNAMIC EXPERIMENTS AND CONSTITU-TIVE EQUATIONS. EXTENSION TO MULTIAXIAL CASE. Contract No.3261-87-11 ED YU, Final Report, 1989.	
127. (M. Micunovic – principal investigator) INFLUENCE OF IRRADIATION ON THE INELASTIC BEHAVIOUR OF AISI 316 AUSTENITIC STAINLESS STEELS DESCRIBED BY UNIAXIAL DYNAMIC EXPERIMENTS AND CONSTITU-TIVE EQUATIONS. Contract No.4020-90-06 ED ISP YU, Final Report, 1991.	
128. (M. Micunovic – principal investigator) CRITICAL REVIEW OF CONSTITUTIVE EQUATIONS OF METALS FOR COMPUTER CODES USED BY AUTOMOTIVE INDUSTRY FOR CRASH AND FORMING-CUTTING ANALYSIS, Contract No.13101-97-07 F1EI ISP PL, Final Report, 1997.	
129. (M. Micunovic – principal investigator) STUDY OF DUCTILE FAILURE CRITERIA UNDER MULTIAXIAL LOADING, Contract No 5364-93-06 ED ISP YU, Final Report, 1999.	
130. (M. Micunovic – principal investigator) STUDY OF DUCTILE FAILURE CRITERIA UNDER MULTIAXIAL LOADING (Biaxial Hopkinson tests), Contract No 5364-93-06 ED ISP YU, Final Report, 2000.	
131. (M. Micunovic – principal investigator of the subproject at the Faculty of Mechanical engineering in Kragujevac) EUREKA-MOSTIS, Colaboration with University of Maribor, Slovenia.	

**MENTORSHIP OF MSC THESIS**

List of MSC thesis	No
132. (Dragan Milosavljevic) WAVE PROPAGATION IN FIBRE REINFORCED MATERIALS	
133. (Ljiljana Veljovic) STOCHASTIC STABILITY OF NONLINEAR VIBRATIONS OF MOTOR VEHICLES	
134. (Milovan Radosavljevic) STOCHASTIC PARAMETRIC VIBRATIONS OF RODS	
135. (Dejan Veljkovic) INFLUENCE OF TEMPERATURE-DEFORMATION HISTORY ON STEEL BEHAVIOR AT MULTIAXIAL CYCLIC STRESS PATHS	

**MENTORSHIP OF PHD THESIS**

List of PhD thesis	No
136. (Milovan Radosavljevic) THEORETICAL AND NUMERICAL ASPECTS OF STOCHASTIC PLASTICITY OF REACTOR STEELS	

**REVIEW OF PAPERS IN INTERNATIONAL JOURNALS**

List of reviews	No
137. Facta Universitatis	
138. Mathematical Problems In Engineering, Hindawi	
139. Philosophical Magazine	
140. International Journal of Solids and Structures	
141. Thermal Science	
142. Theoret. Appl. Mech.	

143.	Il Nuovo Cimento
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**EDITORS IN JOURNALS**

List of edited journals		No
144.	Editor in chief "THEORETICAL AND APPLIED MECHANICS" (Serbian Society of Mechanics, Belgrade), international journal, since 2001	
145.	Member of editing board "FACTA UNIVERSITATIS", international journal, University of Nis	
146.	Member of editing board "JOURNAL OF THE SERBIAN SOCIETY FOR COMPUTATIONAL MECHANICS", Serbian society of Computational Mechanics	

NOTE: Name the magazine, The Role (editor, co-editor, member of editing board, reviewer), from the year-to, Class of journal (international or local)

**RESULTS OF PEDAGOGICAL WORK**

Lectures	Courses	Year
On own Faculty	147. STATICS	
	148. KINEMATICS	
	149. DYNAMICS	
	150. VIBRATION THEORY	
	151. NONLINEAR CONTROL THEORY	
	152. CONTINUUM MECHANICS	
On the other university (the name and place of institutions)		
153. THEORY OF PLASTICITY (graduate studies) Faculty of Civil Engineering, University of Nis, year 1990.		
In a foreign university (the name and place of institutions)		
Other		
154. STABILITY OF FINITE STRAIN OF ELASTIC FIBRE-REINFORCED BODIES, Wybrane zagadnienia statecznosci konstrukcji, Warsaw, Ossolineum 1987. Invited Lectures at the International Summer School "Modern problems of stability of structures", Janowice (Krakow), pp.267-318, 1985.		

**PARTICIPATION IN DEVELOPMENT OF HIGHER EDUCATION, SCIENTIFIC OR ART ACTIVITIES AND PARTICIPATION IN MANAGERIAL AND EXPERT BODIES AND ORGANIZATIONS**

	Name of bodies or body
At the Faculty	Prodean for peadagocial affairs
At the university	President of Faculty council
Other membership	MEMBERSHIP IN SCIENTIFIC ORGANIZATIONS 155. Serbian Scientific Society 156. Serbian Society of Mechanics 157. Serbian Society of Engineers 158. (GAMM) Gesellschaft fuer Angewandte Mathematik und Mechanik 159. (ISIMM) The International Society for Interaction of Mechanics and Mathematics 160. Polish Society of Applied Electromagnetics